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<400> 3912
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<210> 3917
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<400> 3919
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<400> 3921
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<400> 3922
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<400> 3923
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 <400> 3931
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 <400> 3932
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 <222> (21)..(21)
 <223> a is present or absent.

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 <400> 3934
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 <210> 3935
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 <213> Homo sapiens

 <400> 3935
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 <210> 3936
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 <213> Homo sapiens

 <400> 3936
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 <210> 3937
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 <213> Homo sapiens

<400> 3937
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<210> 3938
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<400> 3938
 tgttacctta ctgcctcatt stcattcttc ccacctgcta t 41

<210> 3939
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<400> 3939
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<210> 3940
 <211> 41
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<400> 3940
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<210> 3941
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 <212> DNA
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<400> 3941
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<210> 3942
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 <212> DNA
 <213> Homo sapiens

<400> 3942
 aaacggaaaa acctactcag mgcggggccat tgaccgccc g 41

<210> 3943
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<400> 3943
 tgctggtcct gggggtagcc rtcgtggtga ggctttcccc a 41

<210> 3944
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 <213> Homo sapiens

<400> 3944
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<210> 3945
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 <213> Homo sapiens

<400> 3945
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<210> 3946
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<400> 3946
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<210> 3947
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<400> 3947
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<210> 3948
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<400> 3948
 tttccgcagc tgcattgaca ycctcgctg ccccgtttct g 41

<210> 3949
 <211> 41
 <212> DNA
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<400> 3949
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<210> 3950
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 <222> (21)..(21)
 <223> c is present or absent.

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 <400> 3951
 tcctgcctgg tgccctcccc rgctgccttt agcaagtgct g 41

 <210> 3952
 <211> 41
 <212> DNA
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 <400> 3952
 cagggccgag cagggagtcc rtgggtcagc tgggctccct t 41

 <210> 3953
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(22)
 <223> gg is present or absent.

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 <211> 40
 <212> DNA
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 <400> 3954
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 <210> 3955
 <211> 41
 <212> DNA
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 <400> 3955
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 <210> 3956
 <211> 41
 <212> DNA
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 <210> 3957

<211> 41
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 <400> 3957
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 <210> 3958
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 <212> DNA
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 <400> 3958
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 <210> 3959
 <211> 41
 <212> DNA
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 <400> 3959
 gttggagcct tgggctctgt ragggggaca gagggaatca t 41

 <210> 3960
 <211> 41
 <212> DNA
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 <400> 3960
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 <210> 3961
 <211> 41
 <212> DNA
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 <400> 3961
 ccctctttca ggggtgtgat rcagtgcatt gatggagcag c 41

 <210> 3962
 <211> 43
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 <213> Homo sapiens

 <220>
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 <222> (21)..(23)
 <223> gtc is present or absent.

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 <210> 3963
 <211> 41
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<213> Homo sapiens
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<210> 3964
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 3964
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<210> 3965
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 3965
 accagctcag cctgcccagc rtgcacacgg caccaagctg g 41

<210> 3966
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 3966
 agatccaagg gatccagagg ytggaatgtg accctccgtg c 41

<210> 3967
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 3967
 ggggaagccag atgcccacaa rgctctgtga cttcacttcc a 41

<210> 3968
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 <213> Homo sapiens

<400> 3968
 gccaagtgtc aagatcgagc raggggaggg cctgacgagg g 41

<210> 3969
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 <213> Homo sapiens

<400> 3969
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<210> 3970
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<212> DNA
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 ggccaggcgg ggaggggtac yggccagacc ggtgggcaaa a 41

 <210> 3971
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 <210> 3972
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 <210> 3973
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 <210> 3974
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 <210> 3977

<211> 41
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 <212> DNA
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 <210> 3979
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 <400> 3979
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 <210> 3980
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 <210> 3981
 <211> 41
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 <210> 3982
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 ccacttcctt ccgccgggcc kctccttctc cacacgcggg g 41

 <210> 3983
 <211> 41
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<223> t is present or absent.

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<210> 3985
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<213> Homo sapiens

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<210> 3986
<211> 41
<212> DNA
<213> Homo sapiens

<400> 3986
caaattcaca actgtgcctt scacagaatg ggttggaata c 41

<210> 3987
<211> 41
<212> DNA
<213> Homo sapiens

<400> 3987
ccccactcca cttgggtgag rgcaggtgga tggatgatgg t 41

<210> 3988
<211> 41
<212> DNA
<213> Homo sapiens

<400> 3988
tacctcaggg cactcagaca scctcacaa tcagaggctc a 41

<210> 3989
<211> 41
<212> DNA
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<400> 3989
tccttttcct gttttttgtt kttttttttt tcttgagtg g 41

<210> 3990
<211> 41

<212> DNA
 <213> Homo sapiens

 <400> 3990
 cattgggtttt tagtgatttc wgtgttggtgc atccatcatc a 41

 <210> 3991
 <211> 42
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 <213> Homo sapiens

 <220>
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 <222> (21)..(22)
 <223> tt is present or absent.

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 <212> DNA
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 <400> 3992
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 <210> 3993
 <211> 41
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 <400> 3993
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 <210> 3994
 <211> 52
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (30)..(32)
 <223> t is present or absent.

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 <210> 3995
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 3995
 agagggtttc ccaagcacac yctgtgtttg gggttattgc t 41

<210> 3996
<211> 41
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)..(21)
<223> a is present or absent.

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aaatatagat gcaaaaaaaaa atgagctgtg gatgcatggt t 41

<210> 3997
<211> 41
<212> DNA
<213> Homo sapiens

<400> 3997
aatttcagtt tttaggtcac ycaagccagt gggagtcaca t 41

<210> 3998
<211> 53
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (31)..(33)
<223> a is present or absent.

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<210> 3999
<211> 41
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<213> Homo sapiens

<400> 3999
ggtttcccaa catctcatct rataaaaaaaaa ataatttgcc a 41

<210> 4000
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<212> DNA
<213> Homo sapiens

<400> 4000
aaagagaata ggtagtgga ytagtattcc tgtgcttaat g 41

<210> 4001
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<212> DNA
<213> Homo sapiens

<220>
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 <222> (21)..(22)
 <223> ct is present or absent.

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<210> 4002
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4002
 gtttggctac tttgattaaa raagaaagaa gagataataa t 41

<210> 4003
 <211> 41
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<400> 4003
 cctgcatcta ttctgaccta yactggggaa aacagtatgt g 41

<210> 4004
 <211> 69
 <212> DNA
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<220>
 <221> misc_feature
 <222> (21)..(49)
 <223> cagatcttct tcagctaatt tagaaatgt is present or absent.

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 tgatattca 69

<210> 4005
 <211> 40
 <212> DNA
 <213> Homo sapiens

<400> 4005
 tattttgtag ttcaaaaagt tgctgtccat ttgatattca 40

<210> 4006
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4006
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<210> 4007
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4007
 agtgaacctg agattgagct rtactgaaat ctctagaaga g 41

 <210> 4008
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 <212> DNA
 <213> Homo sapiens

 <400> 4008
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 <210> 4009
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 <400> 4009
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 <210> 4010
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4010
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 <210> 4011
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 <212> DNA
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 <400> 4011
 gtagatgagt agctaaaaac kaaagtcagc tcctgaaata a 41

 <210> 4012
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 <400> 4012
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<210> 4014
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 <400> 4014
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 <210> 4015
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 <400> 4015
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 <210> 4016
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4016
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 <210> 4017
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 <400> 4017
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 <210> 4018
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 <400> 4018
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 <210> 4019
 <211> 41
 <212> DNA
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 <400> 4019
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 <210> 4020
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 <213> Homo sapiens

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<210> 4021
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 <212> DNA
 <213> Homo sapiens

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 <210> 4022
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 <400> 4022
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 <210> 4023
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 <210> 4024
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 <210> 4025
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 <400> 4025
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 <210> 4026
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 <210> 4027
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 <400> 4027
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<210> 4028
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 <210> 4029
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4029
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 <210> 4030
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 <221> misc_feature
 <222> (21)..(21)
 <223> a is present or absent.

 <400> 4030
 gagtaatat cagtaaaaa ataaagtgg attttaa atc a 41

 <210> 4031
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4031
 tgtttccagt aatagggaat rgaggtgtct ttctctgaaa g 41

 <210> 4032
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4032
 gataaatgac aaggcaatta saacaatcag gaagcacagg t 41

 <210> 4033
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4033
 caaggcaatt acaacaatca rgaagcacag gttcttccca a 41

 <210> 4034
 <211> 41

<212> DNA
 <213> Homo sapiens

 <400> 4034 41
 cctcatcctt gccaatgttt ycttttactg gtttttgatg g

 <210> 4035
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4035 41
 tctaaatgac ctcaacatgg ycattaaacc aggggaaatg a

 <210> 4036
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4036 41
 atggcagtat attgatcaaa yagaaagggtg tagcatacat t

 <210> 4037
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> c is present or absent.

 <400> 4037 41
 ttattggcct ctattttttc ctgccattg gtcaagtatg a

 <210> 4038
 <211> 40
 <212> DNA
 <213> Homo sapiens

 <400> 4038 40
 ttattggcct ctattttttc tgccattgg tcaagtatga

 <210> 4039
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4039 41
 catacattcc tgggagaaac yaagagggtca tagaaggaaa a

 <210> 4040
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4040
 cacaattata cacatttctt ytcgtatgat tcccaagtca t 41

<210> 4041
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4041
 tattgtgtca aaaacaattc rttgtatatc tccattctaa g 41

<210> 4042
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

<400> 4042
 cagcctttgc attatatttt tgctgtgttg tctaacagga g 41

<210> 4043
 <211> 40
 <212> DNA
 <213> Homo sapiens

<400> 4043
 cagcctttgc attatatttt gctgtgttgt ctaacaggag 40

<210> 4044
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4044
 gctgtgttgt ctaacaggag maaagagaca cggatttgc t 41

<210> 4045
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4045
 tgagatagat atttaggacc rtgaccaatt tttattttgg t 41

<210> 4046
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4046
 gtgaccaatt tttattttgg ytgaaaaatc ttatttgaag t 41

<210> 4047
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4047
 tattgattag acaataaccc rtctggggaa gggatatttc t 41

 <210> 4048
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4048
 ccttttctaa tgtctgcaca rcctatttaa gaatattccc a 41

 <210> 4049
 <211> 52
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (30)..(32)
 <223> t is present or absent.

 <400> 4049
 aaagtttagt gtttctatca tttttttttt ttgctacttc tgatggactt ct 52

 <210> 4050
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4050
 ttttctctccc caattcatgg ktttttggtt agcttctcat c 41

 <210> 4051
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4051
 tcccccaattc atggggtttt kgtttagcttc tcattctctt g 41

 <210> 4052
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

<400> 4052
 caattcatgg gtttttggtt tagcttctca tcttcttggg g 41

<210> 4053
 <211> 40
 <212> DNA
 <213> Homo sapiens

<400> 4053
 caattcatgg gtttttggtt agcttctcat cttcttgggg 40

<210> 4054
 <211> 45
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> n is g or a.

<220>
 <221> misc_feature
 <222> (22)..(25)
 <223> n is a or absent..

<400> 4054
 ggggacttct tttaaaaaaa nnnntctgt gtttagtggt cctct 45

<210> 4055
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4055
 tcagacttgg gttttcctat ytttcttctt gagaacaagt t 41

<210> 4056
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4056
 tgttaaaata tctcattgta yatgctgacg gatttttctt g 41

<210> 4057
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4057
 ccttaagtct cctcctatca wgcaccttgt tctcaccagc t 41

<210> 4058
 <211> 41

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

<400> 4058
 ctctctcttc ctttctcagc tctactatTT cactgttggc t 41

<210> 4059
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4059
 aatccccata tcctacctta kccatctcat ccatgaatct t 41

<210> 4060
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4060
 atccccatat cctaccttag ycatctcatc catgaatctt g 41

<210> 4061
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4061
 aatatgagtt ttctaggtat rtatctagca gtgtttcaag t 41

<210> 4062
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4062
 atatgagttt tctaggtata yatctagcag tggtttcaagt c 41

<210> 4063
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4063
 ctctgaaagt tagtgatata ycttatttgt gtttgaatca a 41

<210> 4064
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4064
 atgtatgaga tcaagtcagg rtcaaatatt agacacccat a 41

<210> 4065
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4065
 ggaccatcct gtgggggcaat sgttccagaa aatgctggta t 41

<210> 4066
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4066
 ctcaccggta taaataacaac ygtagcaaag gttttctttt t 41

<210> 4067
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> c is present or absent.

<400> 4067
 tgcgtattcc ctcagttcag ctttttattc aagccacagc a 41

<210> 4068
 <211> 40
 <212> DNA
 <213> Homo sapiens

<400> 4068
 tgcgtattcc ctcagttcag tttttattca agccacagca 40

<210> 4069
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> a is present or absent.

<400> 4069
 tggctaagtt aaaaaaaaaa agagattcaa ctataattgc t 41

<210> 4070

<211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> c is present or absent.

<400> 4070
 caagattcaa tactgcccc cagggggtgg gtgaacaggg c 41

<210> 4071
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4071
 ctgttcaatt tcctctcgca yagtgattca ttccacattc c 41

<210> 4072
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4072
 taattaatat cttgtccttg sggggtaaag gagggatggt a 41

<210> 4073
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4073
 ttggggggta aatgagggat rgtagcataa acacttctca a 41

<210> 4074
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4074
 aaacaccaca gaatgacata raactaaagg cggcaggaat c 41

<210> 4075
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4075
 cattcaccct tgggggaccc rggccaataa aaaaatcaca g 41

<210> 4076
 <211> 41
 <212> DNA

<213> Homo sapiens
 <400> 4076
 gatgtgccct acctgaccct yggctcgggg cagacttggg g 41

 <210> 4077
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> g is present or absent.

 <400> 4077
 gggcaggagt ggactcaggg gttcttggtc caaatggggtt c 41

 <210> 4078
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4078
 tatggaggtt ttctcttcct ytctgtgagt tttctctctg a 41

 <210> 4079
 <211> 60
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (39)..(40)
 <223> t is present or absent.

 <400> 4079
 taaaagccaa tcaaatcaac tttttttttt tttttttttt aaacaagcca cgcatttgcc 60

 <210> 4080
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4080
 cacctgtaat ccagcacct kgggaggcca aggcaagtgg a 41

 <210> 4081
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4081
 gtctttacta aaaatacaaa mattagctag gcatggtggc g 41

<210> 4082
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4082
 ccactgcgct ccagcctggg ygacaagagt gaaactctgt c 41

 <210> 4083
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4083
 aggtccttaa actaccctgc rctccaagaa tcagtgcctg g 41

 <210> 4084
 <211> 53
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (32)..(33)
 <223> a is present or absent.

 <400> 4084
 agtcttttgt atgcaccact aaaaaaaaaa aaagccattt ttctgcatg acc 53

 <210> 4085
 <211> 44
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(24)
 <223> gaaa is present or absent.

 <400> 4085
 ttctatgtaa cagtaagaaa gaaaagcagc tgccaattaa acaa 44

 <210> 4086
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4086
 tgaattgtca ggttgatgtt mtccttggtg gcatggcggt t 41

 <210> 4087
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4087
 tgtggattga tccaggagat saagcaatgt tgtcagtact c 41

<210> 4088
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4088
 agccttgccct gccagttgga stcacttggg gagccttaac a 41

<210> 4089
 <211> 52
 <212> DNA
 <213> Homo sapiens

<400> 4089
 accccatctc tattgaaaag aaaaaaaaaa aatcaatata aaaaacattt ac 52

<210> 4090
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4090
 tggatgatgt gagtgatggg ytgatcccag ggtcgcccca g 41

<210> 4091
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4091
 tgctcattac aactattcct ycttggtcag gttggcaaatt t 41

<210> 4092
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> c is present or absent.

<400> 4092
 ctcattacaa ctattccttc cttggtcagg ttggcaaatt a 41

<210> 4093
 <211> 40
 <212> DNA
 <213> Homo sapiens

<400> 4093
 ctcattacaa ctattccttc ttggtcagg ttggcaaatta 40

<210> 4094
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4094
 gccacctggg gagggcccaa rcgctctcc agggcctgtc a 41

 <210> 4095
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4095
 aaagaaagaa aacacatttg wcttcttgac agagaactcg c 41

 <210> 4096
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4096
 ctagcacaga gggttccctg kgattgtaag ttacagcagc c 41

 <210> 4097
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4097
 ggaagtctta ctttcaggtg ygggtgtgatc cagggactct g 41

 <210> 4098
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4098
 ctctccagag aaaacaatct ktagaaggcc tgcattgaaa a 41

 <210> 4099
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4099
 aaccccaggc tcaaagaagc rtgggaaata atgcatactc c 41

 <210> 4100
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4100
 cacctcttta gtgtctgtgc ractgcacat ttgtctcttg g 41

<210> 4101
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4101
 gattcagaat gattctctcc ragaaaacat cttttttgga t 41

 <210> 4102
 <211> 42
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(22)
 <223> ca is present or absent.

 <400> 4102
 ccaagctagg cagtctcaca catgtgcact cacgtggccg gg 42

 <210> 4103
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4103
 gcgtgaggtc tgtctctcta yccttcctgc caggtgagca a 41

 <210> 4104
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4104
 cttggcccca gatagggttc scacccccgc ctttctttcc c 41

 <210> 4105
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4105
 gatgcaaag cgcgccacca ycctggcacc tcgtgcgttc a 41

 <210> 4106
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4106
 cttacatcaa actggggcac ycccctctct caccaccac c 41

 <210> 4107

<211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4107
 gtggctgcgc tcagtgcga mcaggagaag tgaaggctga g 41

 <210> 4108
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4108
 gacgaacagg agaagtgaag sctgaggctt ataggagggt g 41

 <210> 4109
 <211> 42
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(22)
 <223> at is present or absent.

 <400> 4109
 gctggtcccc agtgtcacac atgtgtgtga ggacaggctg ca 42

 <210> 4110
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4110
 ggtatcattc ttccttcctg rgtgatgtgg ctatttgtgt t 41

 <210> 4111
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4111
 gcggagtggg ggcagtagtc rtcatcatca ctgagttatt g 41

 <210> 4112
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4112
 tcactgagtt attgtgaacc rggaaagaga tatgatctgt g 41

 <210> 4113
 <211> 43
 <212> DNA

<213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(23)
 <223> ctt is present or absent.

 <400> 4113
 tattttgaat atcacttctt ctttcaatgc ttgggaatca cgg 43

 <210> 4114
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4114
 gagctccaga taccacctgc yccacaacca gacagcctgt t 41

 <210> 4115
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> g is present or absent.

 <400> 4115
 tggagagtga catggtgggg gtgtggtgca tatattcata t 41

 <210> 4116
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4116
 ttaaagatcg tctattttgg rcaagtgtta ataattctcc a 41

 <210> 4117
 <211> 46
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(26)
 <223> ggggct is present or absent.

 <400> 4117
 gtggggctgg ggctggggct ggggctgggt gcgtgcatgt gctaag 46

 <210> 4118
 <211> 40

<212> DNA
 <213> Homo sapiens

 <400> 4118 40
 gtggggctgg ggctggggct gggcgctgc atgtgctaag

 <210> 4119
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4119 41
 gttgtggctt tgtctaatta yagaaatgga tccttagagt c

 <210> 4120
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4120 41
 aaccatgagg ctcacatat ytcaaaccac gctgcacagc t

 <210> 4121
 <211> 62
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (40)..(42)
 <223> t is present or absent.

 <400> 4121 60
 ctcttgaaat tgggtgccagc tttttttttt tttttttttt ttccctgcat ttaccaaata
 tg 62

 <210> 4122
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4122 41
 tttttttttt tttttttttt yccctgcatt taccaaatat g

 <210> 4123
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4123 41
 ccaaggattt ttatattttca rcaacaaagg aaatgatttt a

 <210> 4124
 <211> 41

<212> DNA
 <213> Homo sapiens

 <400> 4124
 gagtcgggtca gccgctcccc rgtctattcc catttcaacg a 41

 <210> 4125
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4125
 tctttttttac tcaactgcagt rtgaggaaca aatcacattt a 41

 <210> 4126
 <211> 47
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (27)..(27)
 <223> t is present or absent.

 <400> 4126
 gacccaacac tatctcctgg tttttttctt ccggtcaagt gtcgggc 47

 <210> 4127
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4127
 tggagaaaat cattttctcc ycttggcagt gtcccagggc c 41

 <210> 4128
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4128
 ctgatgctct tccaggacac raaaagaacc catctttgaa t 41

 <210> 4129
 <211> 53
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (32)..(33)
 <223> t is present or absent.

 <400> 4129
 ccatctttga atatcaatga tttttttttt tttaagtact gttccgggga gaa 53

<210> 4130
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4130
 cattagaata ggtagtatca rccagccggg catggtggct c 41

 <210> 4131
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4131
 catattaata gaagagtctt ygttccagac gcagtccagg a 41

 <210> 4132
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4132
 gataagttct agaactggca mctaatagata tggactagaa g 41

 <210> 4133
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4133
 atcaaagtgg ctttgatttt kgcataagaa tggtgactct t 41

 <210> 4134
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4134
 agtgctgcga ttacaagcct sagccacctg cacagcctct g 41

 <210> 4135
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4135
 gtcatatccc acccccaaat mgaccaata ggtacaatga a 41

 <210> 4136
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4136
 aaaactggca ggagaatttc rctggagctg catgcaggac t 41

<210> 4137
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4137
 agttatgaaa ccgatttttc ygggactggg tgttctagtc t 41

 <210> 4138
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4138
 aggtttccag atgtgttccc yaggcattcc tgggtgtagg a 41

 <210> 4139
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4139
 cttattcttt ggtcagttgg ytttctacca cctcttagct t 41

 <210> 4140
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4140
 gggatttgga aagttcttgc rgctgctgga ggctgcggtg t 41

 <210> 4141
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4141
 ggactagtgg aagaattaga sccttcctga ataaatagat c 41

 <210> 4142
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4142
 taccataatt tatgtgtcct rtatgacatg aatttcattg g 41

 <210> 4143
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4143
 gttaaggata tgtgaactca rgtgtgtcta taggataaat t 41

<210> 4144
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4144
 ttaatgaggt taagcacatg ktcatatggt taaaagcctt t 41

 <210> 4145
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4145
 ggtataaggc aagatttttt waaaaaatta attgcttaat c 41

 <210> 4146
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4146
 acatccttct cccctcagtc ytcggtagt ggcagtattc t 41

 <210> 4147
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4147
 ggactcttac cagcttagtt kccctggtttt ctaatctaaa a 41

 <210> 4148
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4148
 tggccaggaa ggagtacacc rttggagaaa cagtgaacct g 41

 <210> 4149
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4149
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 ctggctccat cttttaccca yggacgtatt cttactctt c 41

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 <400> 4164
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<210> 4165
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 <400> 4165
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 <400> 4167
 agagggatca cttgtgacat yggtagcatg gagaaggtag g 41

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 <400> 4168
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 <400> 4171
 gtgaattttt attataagct ygttctcctt aaaactttat c 41

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 <400> 4172
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 <220>
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 <222> (28)..(28)
 <223> c is present or absent.

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 <210> 4174
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 <400> 4174
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 <210> 4175
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 <220>
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 <222> (31)..(32)
 <223> a is present or absent.

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 <400> 4176
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<400> 4177
 gcctgtagtc cccagacagg raaatggtct tgaaacactg g 41

<210> 4178
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<400> 4178
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<210> 4179
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<400> 4179
 ttgtattttt agtagagatg rggttttgcc attttggcag g 41

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<400> 4180
 tgtgccagc cagcattctg sttttaatga ggccctctcc c 41

<210> 4181
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<400> 4181
 ctcacctgac ctgcttgggg ycatgggaat ctgacaactg a 41

<210> 4182
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<400> 4182
 gaggctggtg gtgagagcgt satcgatagg gcgtgcagca g 41

<210> 4183
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<220>
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 <222> (21)..(21)
 <223> c is present or absent.

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<210> 4184
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 <400> 4184
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 <400> 4185
 aacacttccc tgaggctggg ygtctatgct gctttaggaa t 41

 <210> 4186
 <211> 41
 <212> DNA
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 <400> 4186
 cctctgtctg ttccatccct stcctaccct cccccccac t 41

 <210> 4187
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4187
 atgcaccagc caggcctgaa mgaatgagta agagttggag g 41

 <210> 4188
 <211> 44
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(24)
 <223> aaga is present or absent.

 <400> 4188
 ttttcttgag caagccaaca aagagtttct tttctgcagg tcag 44

 <210> 4189
 <211> 41
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 <213> Homo sapiens

 <400> 4189
 aaccccctat gattagaact rtagtgctgt ttaggaagcc a 41

 <210> 4190

<211> 51
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 <220>
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 <222> (30)..(31)
 <223> a is present or absent.

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 <210> 4191
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 <400> 4191
 attcatctgg gtcatactct ygagttaccc ggctttcttg a 41

 <210> 4192
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 <212> DNA
 <213> Homo sapiens

 <400> 4192
 ggagcggagc ccgcggccac ygccgcctga tcagcgcgac c 41

 <210> 4193
 <211> 42
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(22)
 <223> ct is present or absent.

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 <210> 4194
 <211> 41
 <212> DNA
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 <400> 4194
 ggatggaaat ggtgagcaca raccttggca tttaaggacc g 41

 <210> 4195
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4195

ctgttttcta cccactgggg ycagcaaatac agcccctttt a 41

<210> 4196
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<400> 4196
 tgatgctcaa agcaatacaa stagaaaata taggaggctg g 41

<210> 4197
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<400> 4197
 aagggggagt catactccag ygtgcatttt agtttgtgct t 41

<210> 4198
 <211> 49
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (29)..(29)
 <223> t is present or absent.

<400> 4198
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<210> 4199
 <211> 41
 <212> DNA
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<400> 4199
 ccaggggaact ggtggcacac sctgagtctg ctaggtgggc t 41

<210> 4200
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4200
 ggctaaagac tcacaacctg wgggaagggg ccaggaaaga a 41

<210> 4201
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 <212> DNA
 <213> Homo sapiens

<400> 4201
 cctgagggaa ggggccagga ragaaaggaa gccatggcct a 41

<210> 4202
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4202
 ggggtgttatt tgggacccca ygcccatcca ggccgacaga g 41

 <210> 4203
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4203
 accaagcagg ggaggtgaga wttgtgcaga ctggggatat t 41

 <210> 4204
 <211> 41
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 <213> Homo sapiens

 <400> 4204
 ttgcttgaat aaaaggatgc ragtcactgt attggtgaag t 41

 <210> 4205
 <211> 41
 <212> DNA
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 <400> 4205
 ttctttcaaa tccaattcct ractgatttc cttgccttcc a 41

 <210> 4206
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 <400> 4206
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 <210> 4207
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 <400> 4207
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 <210> 4208
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<210> 4209
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 <212> DNA
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 <400> 4209
 gaggtctgtc cctctaggtg raagtgttgt ggttgaggga g 41

 <210> 4210
 <211> 41
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 <400> 4210
 aggaggttgt ctggcttatac ygtgctactg atggggcttc a 41

 <210> 4211
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4211
 ttacgaagct ttttcctcat ygtaggttct gggataaaga a 41

 <210> 4212
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 <400> 4212
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 <210> 4213
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 <400> 4213
 gtgtgtcttc cttgttgctg ragtggattg ctggttgga g 41

 <210> 4214
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4214
 acattccatg aaaaatcaaa racagccaga agggaataa c 41

 <210> 4215
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4215
 aggggtgat gttgctgttg ytacaaaagg gtggctttaa a 41

<210> 4216
 <211> 41
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 <213> Homo sapiens

 <400> 4216
 tgctggggtg tcccagcgat rgtgtttcca catggccccg a 41

 <210> 4217
 <211> 41
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 <213> Homo sapiens

 <400> 4217
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 <210> 4218
 <211> 41
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 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> g is present or absent.

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 <210> 4219
 <211> 40
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 <213> Homo sapiens

 <400> 4219
 gggctgccag ccaacttgggg tgggggtctct aaccacaga 40

 <210> 4220
 <211> 41
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 <400> 4220
 cagatggtga ctggactaca rtgagatttg ggtaagcttt t 41

 <210> 4221
 <211> 41
 <212> DNA
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 <400> 4221
 gaagtagagg ctgtagaagc rtgaatttct cctgagactt g 41

 <210> 4222
 <211> 41

<212> DNA
 <213> Homo sapiens

 <400> 4222
 gacaggcccc actctggtgc waggagcatg gtaatcttta c 41

 <210> 4223
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4223
 gatcgagggg agctttaata ygggtacagt tggaggagag c 41

 <210> 4224
 <211> 44
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(24)
 <223> cttt is present or absent.

 <400> 4224
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 <210> 4225
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 <400> 4225
 ttggaggaga gctggtcttt tagcggggtg gttattgggc 40

 <210> 4226
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 <400> 4226
 cattgactga tgggtctgggc rgatgtcaag ttccctgttt t 41

 <210> 4227
 <211> 41
 <212> DNA
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 <400> 4227
 tgcttggcaa ggatgaagac sccagatgag tcactagtat g 41

 <210> 4228
 <211> 41
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<400> 4228
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<210> 4229
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<220>
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 <222> (21)..(21)
 <223> t is present or absent.

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<210> 4230
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 <213> Homo sapiens

<400> 4230
 aaaaaccagc attactcacc ratgagccca tttgcttgac t 41

<210> 4231
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4231
 aaaggcaaag agcactgagc rtctggctga tagcccaggt g 41

<210> 4232
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<400> 4232
 gttaaaattg cattccctac rtcttggtca gaaggtaagc c 41

<210> 4233
 <211> 41
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 <213> Homo sapiens

<400> 4233
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<210> 4234
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<220>

<221> misc_feature
 <222> (21)..(21)
 <223> c is present or absent.

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 <210> 4235
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 <213> Homo sapiens

 <220>
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 <222> (21)..(21)
 <223> a is present or absent.

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 <210> 4236
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 <213> Homo sapiens

 <400> 4236
 actatactcc agcatgggtg rcagagcaag caatatctga a 41

 <210> 4237
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 <212> DNA
 <213> Homo sapiens

 <400> 4237
 tgaggttacg agtagccatg kgccatatga tttatcgga g 41

 <210> 4238
 <211> 43
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(23)
 <223> gtt is present or absent.

 <400> 4238
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 <210> 4239
 <211> 40
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

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<210> 4240
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<400> 4240
 tgacatctgt catttttttt cctgctgcac aaatctcttc 40

<210> 4241
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 <213> Homo sapiens

<400> 4241
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<210> 4242
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<400> 4242
 acttccacca ttcacagtat ygttcttaat ggcattgcgga t 41

<210> 4243
 <211> 41
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<400> 4243
 agatccttca tttcctaggg ygtacaaatt tcaaggcttt t 41

<210> 4244
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<400> 4244
 ttgctatgct agattgattt yctccccaag agttgttaat t 41

<210> 4245
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<400> 4245
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<210> 4246
 <211> 41
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 <400> 4246
 agcttcacct gtttcagccc ygcttccatg agcttcacct g 41

 <210> 4247
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 <400> 4247
 attcagcagc ctccacatcc yccttctccg tacttctgtc c 41

 <210> 4248
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 <210> 4249
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 <212> DNA
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 <400> 4249
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 <210> 4250
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4250
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 <210> 4251
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 <400> 4251
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 <210> 4252
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 <212> DNA
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<210> 4253
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4253
 gtccttttgt acttgggggc rtgtccaaat tcattaaatg a 41

 <210> 4254
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4254
 agatttttct tcttcctacc yctcgctttg ctgtcctgac a 41

 <210> 4255
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4255
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 <210> 4256
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4256
 aagggatcac gccttggtgc rcaggctggt ctcaagattc t 41

 <210> 4257
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4257
 ccagaatggc ttcacctgtg stgggtgctt ggctttctgc t 41

 <210> 4258
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4258
 ggctcagcca agggggcctc ygtccttatg ctgaaggcaa a 41

 <210> 4259
 <211> 42
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 <213> Homo sapiens

 <220>
 <221> misc_feature

<222> (21)..(21)
 <223> at is present or absent.

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 <211> 40
 <212> DNA
 <213> Homo sapiens

<400> 4260
 tgtgttagag ctgttttcac gtgtatatat gtgtgttatt 40

<210> 4261
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4261
 tttgtgttg ttgcccagga wgtctcaaa ctctggggtt c 41

<210> 4262
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4262
 tatttagcat cactatgttc sagtghtaatg acatttaact c 41

<210> 4263
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4263
 tccagtgtaa tgacatttaa ytcttcata accaaaacgt g 41

<210> 4264
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4264
 tcagggaatt gtggtccaat wtgcagctag ggaagaaatc c 41

<210> 4265
 <211> 41
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 <213> Homo sapiens

<400> 4265
 gaaaccttaa tttccctca kgtacatagt ttctgggtggg a 41

<210> 4266

<211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4266 41
 tcaccctcct gactgactag rgaaagtcca gctagcccct c

 <210> 4267
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4267 41
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 <210> 4268
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 <212> DNA
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 <400> 4268 41
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 <210> 4269
 <211> 41
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 <213> Homo sapiens

 <400> 4269 41
 tggcttgctt atttactgaa rctatgttac aaagattctc a

 <210> 4270
 <211> 41
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 <213> Homo sapiens

 <400> 4270 41
 cacggcagga agctgcaccc yggggctgga gatgatgtct g

 <210> 4271
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4271 41
 agatttgga gcagagggcg rgggtctctt ctgagggtac t

 <210> 4272
 <211> 41
 <212> DNA
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 <400> 4272 41
 agcagcactc ctgcccagcc mactgcctc cgtcctcccc t

<210> 4273
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<222> (21)..(21)
<223> g is present or absent.

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<213> Homo sapiens

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gggtgtccac ctttcaggga ygccagattc attttgaaga a 41

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<400> 4275
gagcatttac caaagtgtgt ygtgcagaag aatagccact t 41

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gggcaaggct gcattgcagt rgcttattct tgtctcgagt g 41

<210> 4277
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<400> 4277
ttttagggag ttgagaaaca satggcaaatt tttgctagtt t 41

<210> 4278
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<400> 4278
actggaatta ttctggcttg yaggtacaga gattgcatgt g 41

<210> 4279
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<212> DNA
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 <400> 4279
 catgtgtaat caaaacctgc yggacagaaa tggctctgag c 41

 <210> 4280
 <211> 57
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (36)..(37)
 <223> a is present or absent.

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 <210> 4281
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 <213> Homo sapiens

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 ataagttcat cgagctaaaa rtatatttga gataaaataa t 41

 <210> 4282
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 <400> 4282
 agagtagaga caaagaaatg mcaccttgat ctgtaagagg g 41

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 ctatgacagg ttagaagtga sgtccttggg accaacatag g 41

 <210> 4284
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 <400> 4284
 tgacgtcctt gggaccaaca yagggctttc ttgggaaggc t 41

 <210> 4285
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<400> 4285
 tgaacactta aaacccacag rcatgtaggc ctggcttgcc t 41

<210> 4286
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<400> 4286
 acccacaggc atgtaggcct kgcttgcctt tgaaactagt t 41

<210> 4287
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<400> 4287
 aatgttctca acgagttaga maattggatt gaacaatatg c 41

<210> 4288
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<400> 4288
 taatttagaa ctttttgttt rcctcttcca tgacttaatt c 41

<210> 4289
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 <212> DNA
 <213> Homo sapiens

<400> 4289
 tggattctgt ggtttcaggg ytctattcca tgatattggt a 41

<210> 4290
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<400> 4290
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<210> 4291
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 <213> Homo sapiens

<400> 4291
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<400> 4292
 cccaaattgt gggttcatttt yaaaaaatg tatttatcta a 41

<210> 4293
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 <213> Homo sapiens

<400> 4293
 atggaggagg aatgtaacc ragaagctag atcttaactg g 41

<210> 4294
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<220>
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 <222> (21)..(21)
 <223> t is present or absent.

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<400> 4295
 ttttggcata atttttaatc yactagaatg ttctgattca t 41

<210> 4296
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<400> 4296
 tacgtgatgg cctgaagaga raaaccgtac attggttctt t 41

<210> 4297
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 <212> DNA
 <213> Homo sapiens

<400> 4297
 aagagttcag agattttggg rgttggagga aaaaatagca t 41

<210> 4298
 <211> 41
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 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

<400> 4298
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<210> 4299
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 <212> DNA
 <213> Homo sapiens

<400> 4299
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<210> 4300
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4300
 tgggagtgcc ctgggctagc rctgaaactt caggttttca g 41

<210> 4301
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4301
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<210> 4302
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 <213> Homo sapiens

<400> 4302
 gtgctatttc tgagcactca yggccccatt gggcatgggc t 41

<210> 4303
 <211> 41
 <212> DNA
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<400> 4303
 tgttttgctc accccctaca yagcttgccc tcatgttct c 41

<210> 4304
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4304
 agcaacagac ttggagactt ragcttctaa aagtttcatt a 41

<210> 4305
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4305 41
 cgaatgtgat gaatgtggga rcctttttga gatagcagca c

 <210> 4306
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4306 41
 gagtctaaat taaatatgag maaaactaga aaccatttaa a

 <210> 4307
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4307 41
 acagatttgc aagagtctac maaagtgata atattctgtc a

 <210> 4308
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4308 41
 aagccgagtc aatctcttgg statcttctg tggactactt t

 <210> 4309
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4309 41
 gttcccatga gggctgaccc ygcctcaccc tggttaaccg c

 <210> 4310
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

 <400> 4310 41
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 <210> 4311
 <211> 40

<212> DNA
 <213> Homo sapiens

 <400> 4311
 cggggttagc ttccctagct gcggagggtt tctgagaaaa 40

 <210> 4312
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4312
 taaagacatg ctggaatta ygtaaaataa agataagtca a 41

 <210> 4313
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4313
 tgtaaggga gaatcagcag yaacgattgg atgtccccg a 41

 <210> 4314
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> a is present or absent.

 <400> 4314
 agcaggctgg ggaaaaaaaa atacagaggt tatcattatg t 41

 <210> 4315
 <211> 55
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (34)..(35)
 <223> t is present or absent.

 <400> 4315
 aagggcaaact acttaggcac tttttttttt tttttggata gaaccaggtg tgggt 55

 <210> 4316
 <211> 53
 <212> DNA
 <213> Homo sapiens

 <220>

<221> misc_feature
 <222> (33)..(33)
 <223> a is present or absent.

 <400> 4316
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 <210> 4317
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

 <400> 4317
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 <210> 4318
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4318
 aagctggggc actttttttt ycccaagtgt ttattttgga a 41

 <210> 4319
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

 <400> 4319
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 <210> 4320
 <211> 55
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (34)..(35)
 <223> a is present or absent.

 <400> 4320
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<210> 4321
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4321
 ggttttttcc agtgtgatag yacatgtaga aagcagtact g 41

 <210> 4322
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4322
 gcgttgagtc atgaagccga yagtgccgct tgtgcatcgc a 41

 <210> 4323
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4323
 acgtccccc ctgttctatc yttctcaaga agcaagcgtt g 41

 <210> 4324
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4324
 ccttgacagt gctcatatc rtcatctgct attgttatca t 41

 <210> 4325
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> a is present or absent.

 <400> 4325
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 <210> 4326
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4326
 ttgaccctgc cctgaaaccc wgttgagat aaaacagtgg c 41

 <210> 4327
 <211> 41

<212> DNA
 <213> Homo sapiens

 <400> 4327
 gtgccctact ccacgtaaaa mtcttctgta gctcaactga g 41

 <210> 4328
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4328
 gcctggtgca tgagggtgag raaaattctc agcaggagag t 41

 <210> 4329
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4329
 cccttttgat taaaattgca btgggacaag aaccaccccc a 41

 <210> 4330
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4330
 ttgcactgag gtaatggctg magaaattaa agtgagggta t 41

 <210> 4331
 <211> 51
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (26)..(31)
 <223> a is present or absent.

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 <210> 4332
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4332
 tatgtttaat tgcttttact sttattgctt tttttaattg g 41

 <210> 4333
 <211> 49
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (29)..(29)
 <223> t is present or absent.

 <400> 4333
 taattggatg aaaggattgt tttttttttc acccaataga gcatgtttt 49

 <210> 4334
 <211> 40
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

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 <210> 4335
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4335
 atcctctttt ttctaatacg yaccactatc tccacattaa a 41

 <210> 4336
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4336
 gaaaaacaac ctgtgtcctg yttggagggt cagcatattc t 41

 <210> 4337
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4337
 tagatgttct ttgggcattg raaagatggt gttatctgtt t 41

 <210> 4338
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4338
 gtttaataag gtttaattag ytctactttg ttaattacat t 41

 <210> 4339

<211> 41
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 <213> Homo sapiens

 <400> 4339
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 <210> 4340
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4340
 ttccactatg aattatattt yctgccattt taacacacct t 41

 <210> 4341
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4341
 aatggttttg gtcctaaatc yacactgggt caaaactaga c 41

 <210> 4342
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4342
 aggtgtgtct cctgtatatg rcgtggtag gttttactct g 41

 <210> 4343
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4343
 acgtttatca gaaaacctgt mtctcttcta gttcagctag a 41

 <210> 4344
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4344
 atctatgaat cagagtgatc rgaactaaaa tggatctaca g 41

 <210> 4345
 <211> 50
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (30)..(30)

<223> t is present or absent.

<400> 4345
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<210> 4346
<211> 41
<212> DNA
<213> Homo sapiens

<400> 4346
agtccgttcc gaaggcattt kccactagtt tttggactat g 41

<210> 4347
<211> 41
<212> DNA
<213> Homo sapiens

<400> 4347
atttttaaag gagtaggaca ragttgtcac aggtttttgt t 41

<210> 4348
<211> 51
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (31)..(31)
<223> a is present or absent.

<400> 4348
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<210> 4349
<211> 41
<212> DNA
<213> Homo sapiens

<400> 4349
aaaggtgctt tgatactgaa rgacacaaat gtgaccgtcc a 41

<210> 4350
<211> 41
<212> DNA
<213> Homo sapiens

<400> 4350
cctccctgaa attgcatata ygtatataga catgcacacg t 41

<210> 4351
<211> 41
<212> DNA
<213> Homo sapiens

<400> 4351
 tttaggtgac tgaaattgca wcagtgatca taatgaggtt t 41

<210> 4352
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4352
 ttctgccaca cagagccgcg sgtggctttg tgtttatcac a 41

<210> 4353
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4353
 tgagttccag tgacctctc ygtttcaaac tgctcaccgc c 41

<210> 4354
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 <213> Homo sapiens

<220>
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 <222> (21)..(21)
 <223> a is present or absent.

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<400> 4355
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<210> 4356
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 <213> Homo sapiens

<400> 4356
 tttttgtaag ttcagacacc wtctagaatc tgcttgaccg t 41

<210> 4357
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<400> 4357
 tgaaataaag cattcgcaca yctaccact ttcttcggga c 41

<210> 4358
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4358
 ttggctggca ttaggctggc rttacttcag ctaacatgaa g 41

 <210> 4359
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4359
 ttgaacactc ttcaagatgc rtgcacagca ctgaaccgag t 41

 <210> 4360
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4360
 tgcatgcaca gcactgaacc ragtggtctg gtgcagataa a 41

 <210> 4361
 <211> 41
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 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> a is present or absent.

 <400> 4361
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 <210> 4362
 <211> 40
 <212> DNA
 <213> Homo sapiens

 <400> 4362
 atagaagctt aaactcacia cacgtactct acatagatga 40

 <210> 4363
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4363
 taccaaagcc tgctcatgga rgtagaaagc aagactgaca t 41

 <210> 4364

<211> 41
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 <213> Homo sapiens

 <400> 4364
 ccaaagcctg ctcatggagg yagaaagcaa gactgacatg t 41

 <210> 4365
 <211> 41
 <212> DNA
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 <400> 4365
 tggatggaac ctcaaaggcc rtcttgccca gtccccattt a 41

 <210> 4366
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4366
 aggagacgcc acgacactga yagctgtacc tgacctgagg g 41

 <210> 4367
 <211> 41
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 <400> 4367
 ccgattgtgc ccagataacc rctttatttg aggggtgtgc c 41

 <210> 4368
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 <400> 4368
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 <210> 4369
 <211> 41
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 <400> 4369
 cccagaggcc tccgtgcagg sgaaaagccc ttggttgccc t 41

 <210> 4370
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4370
 tttgttagga taaaattgca ytgagtcct gttctaaacc a 41

<210> 4371
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4371
 ccgggctggt gagccagcac ygggaacata ccaagtgcct g 41

 <210> 4372
 <211> 42
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 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(22)
 <223> ct is present or absent.

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 <210> 4373
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4373
 acccagagag agtctggggt ytgggaattca gcgtagctac c 41

 <210> 4374
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4374
 ttggctttct tttgttggtg ytttttggtt tatttttgct a 41

 <210> 4375
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4375
 cacttttatt aaagacagta ygattacata acatttggcc c 41

 <210> 4376
 <211> 41
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 <213> Homo sapiens

 <400> 4376
 cagtacgatt acataacatt kggcccatcc tagcaagcag g 41

 <210> 4377
 <211> 41

<212> DNA
 <213> Homo sapiens

 <400> 4377
 caaaacaaaa caaacaaca racaaaaaaa aaataccaca t 41

 <210> 4378
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4378
 catatggaga tgatgctgtg ktcctctcct tactggacct g 41

 <210> 4379
 <211> 41
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 <213> Homo sapiens

 <400> 4379
 tgtgggctgg aattccttga ygttgccact gcatagatta g 41

 <210> 4380
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 catggggctg gagctgtgaa raccagtagg tactggcatg t 41

 <210> 4381
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 <400> 4381
 atcctttgaa taactcttta rgggagagaa atgatggaaa t 41

 <210> 4382
 <211> 41
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 <400> 4382
 gaagttaga atcatgacac ytcggggaag ataggatcag g 41

 <210> 4383
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4383
 ctttgaagac atgagagttt yttggcaaga agatgttctc t 41

 <210> 4384

<211> 41
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 <213> Homo sapiens

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 <210> 4385
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 <210> 4386
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 <400> 4386
 tgccacaggt atgcccggtgt rttgaaaatg tcagagataa g 41

 <210> 4387
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 <400> 4387
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 <210> 4388
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 <212> DNA
 <213> Homo sapiens

 <400> 4388
 gtagcatccc taaaccaaga yaaatgtcta ctatcagtc c 41

 <210> 4389
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 <210> 4390
 <211> 41
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<210> 4391
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<213> Homo sapiens

<220>
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<222> (21)..(21)
<223> t is present or absent.

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<210> 4392
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<213> Homo sapiens

<400> 4392
gactggagac tttttttttt waatattatt agatcaattc a 41

<210> 4393
<211> 41
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<213> Homo sapiens

<400> 4393
ggtaatggcc ttttttgaaa ktttttagatt tgtcatcaaa g 41

<210> 4394
<211> 41
<212> DNA
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<400> 4394
ggacacctgc aggctatctg ytctcatccg ttgtgtatta g 41

<210> 4395
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<400> 4395
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<210> 4396
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<400> 4396
ttaaccagaa gaaaaaaggc rgtggggtgg ggagacagcc a 41

<210> 4397
<211> 41

<212> DNA
 <213> Homo sapiens

<220>
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 <222> (21)..(21)
 <223> a is present or absent.

<400> 4397
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<210> 4398
 <211> 42
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(22)
 <223> at is present or absent.

<400> 4398
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<400> 4399
 gaggaatgc agcggaatat caactctggt ttttaacaggg 40

<210> 4400
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 <212> DNA
 <213> Homo sapiens

<400> 4400
 atcccacaga atctccagca rtctctcaac cgtgcttgga a 41

<210> 4401
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 <212> DNA
 <213> Homo sapiens

<400> 4401
 gtgctggaga ggtaggatt rcggtcagtg gtggtacaaa g 41

<210> 4402
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 <212> DNA
 <213> Homo sapiens

<400> 4402
 tgatgataaa aattacccaa rcagttatat cacagcattt t 41

<210> 4403
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 <212> DNA
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 <400> 4403
 acagggtggc agctacctct stgtggctac tatggtgtc c 41

 <210> 4404
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 <400> 4404
 taccgagaaa acctccctct ygtcctaaag aaagtatcct t 41

 <210> 4405
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 <213> Homo sapiens

 <400> 4405
 ctggggccag ggctctgctc ygtgacttcg gacaagttat t 41

 <210> 4406
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4406
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 <210> 4407
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4407
 gttttttcct ctgctctatc rggattcttc tcatttgaag a 41

 <210> 4408
 <211> 59
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 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(39)
 <223> tgtccaaagg aaggacacg is present or absent.

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 <210> 4409

<211> 40
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 <400> 4409
 gtgtccaaag gaaggacacg cttatgttct ccttgtggcc 40

 <210> 4410
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4410
 acatgatttt ccacggctac rtagaagtc atcataggaa t 41

 <210> 4411
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4411
 aataaaaaaa taagggggga rgtgcacgca gggctagttg a 41

 <210> 4412
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4412
 cccctctgcc gcctcccccac rgccgctcca ggggtggctg g 41

 <210> 4413
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4413
 agtctatcca cagagagtc yactgcctca gggttcctatg g 41

 <210> 4414
 <211> 56
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (33)..(34)
 <223> tc is present or absent.

 <220>
 <221> misc_feature
 <222> (35)..(36)
 <223> tc is present or absent.

 <400> 4414
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<210> 4415
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4415
 attatttttg attttgtaaa mctcttcgtg tatcaaacaa t 41

 <210> 4416
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> c is present or absent.

 <400> 4416
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 <210> 4417
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4417
 cccagctagg acaggccagc rccaggcagt taggaccgtg g 41

 <210> 4418
 <211> 41
 <212> DNA
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 <400> 4418
 gctaaaacac tccaaagcct kccttaaaaa tgcgcactgg g 41

 <210> 4419
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

 <400> 4419
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 <210> 4420
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4420
 tagcagggac cccagcgccc sagagaccat gcagaggtcg c 41

<210> 4421
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4421
 ctatgtgaga cgттаагааg rtagaggtgg ccaagaagga a 41

<210> 4422
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4422
 agttctcttt cttagcatgg mctacagagg tgcaactacc t 41

<210> 4423
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4423
 gaaacttaaa tcttgagtca yacaattgtg tctacatact g 41

<210> 4424
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

<400> 4424
 attacacagt attttttttt naattttggg gaaagtcgat t 41

<210> 4425
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> c is present or absent.

<400> 4425
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<210> 4426

<211> 41
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 <213> Homo sapiens

 <400> 4426
 taacccagag cttatcagag satttatgtc cccaaagaga a 41

 <210> 4427
 <211> 41
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 <213> Homo sapiens

 <400> 4427
 cagaataaca atgatggctc rgaaaaatat gggatatttct g 41

 <210> 4428
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4428
 acgttttgac agttgcacaa stttctttct ttaagcttta a 41

 <210> 4429
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4429
 aatatttttg aaaatcacta sggatcctg catagtgatt t 41

 <210> 4430
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4430
 gaaaaatttc agttcataca mccccatgaa aaatacattt a 41

 <210> 4431
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4431
 acttatctta acaaagatga stacacttag gcccagaatg t 41

 <210> 4432
 <211> 41
 <212> DNA
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 <400> 4432
 caaagatgag tacacttagg yccagaatgt tctctaatgc t 41

<210> 4433
<211> 41
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)..(21)
<223> a is present or absent.

<400> 4433
tttttcctaaa taaaaaaaaa atcaggtgat atctgtaa at g 41

<210> 4434
<211> 41
<212> DNA
<213> Homo sapiens

<400> 4434
tattaaagaa catgatgctt raaacagatt agggaaaact a 41

<210> 4435
<211> 41
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)..(21)
<223> t is present or absent.

<400> 4435
ctctgttgta gttttttttt tctcctaatac atgttatcat t 41

<210> 4436
<211> 41
<212> DNA
<213> Homo sapiens

<400> 4436
ttatgttcag caagaagagt rtaatatatg attgttaatg a 41

<210> 4437
<211> 41
<212> DNA
<213> Homo sapiens

<400> 4437
tgtccagaca agagaccaa ytgccgaggc atcatttagg t 41

<210> 4438
<211> 41
<212> DNA
<213> Homo sapiens

<400> 4438
 tttcaatctg aacattttac rtaagtgaag actttgtag a 41

<210> 4439
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4439
 aaagttagggt ggtattgtat ytgtcttcct ttctcaatgt t 41

<210> 4440
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4440
 aatacaaaca aacttgagct ytgctatac ttttcaagaa t 41

<210> 4441
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4441
 tatctaagtt ttggagtcaa rtagcacttt gtttgaatcc c 41

<210> 4442
 <211> 68
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (45)..(48)
 <223> gatt is present or absent.

<400> 4442
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 agagctgg 68

<210> 4443
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

<400> 4443
 gtagcaatga gaccattttt tcttcagttg agctccatgt t 41

<210> 4444
 <211> 40
 <212> DNA
 <213> Homo sapiens

 <400> 4444
 gtagcaatga gaccattttt cttcagttga gctccatggt 40

 <210> 4445
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4445
 gaatgttttg ttgtaacctg yataatctgg catgaaattg t 41

 <210> 4446
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4446
 catgctctct tctcagtcct rttccttcat tatatcacct a 41

 <210> 4447
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4447
 tatggccaag acttcagtat rcgtggactt aattcttcct t 41

 <210> 4448
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

 <400> 4448
 atgaagacat tcattttttt tctccgtcca atgttggtt a 41

 <210> 4449
 <211> 42
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(22)
 <223> gt is present or absent.

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<210> 4450
 <211> 40
 <212> DNA
 <213> Homo sapiens

<400> 4450
 gtgtgtgtgt gtgtgtgtgt ttttttaaca gggatttggg 40

<210> 4451
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4451
 gaacacttta tagttttttt kggacaaaag atctagctaa a 41

<210> 4452
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> a is present or absent.

<400> 4452
 tttttcttca agaaattaga agaggggaga aattggttta a 41

<210> 4453
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> a is present or absent.

<400> 4453
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<210> 4454
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4454
 atattaaaca gagttacata yacttacaac ttcatacata t 41

<210> 4455

<211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4455 41
 gtgtggatag taaatgccag rgtaaatacac atagcatcta a

 <210> 4456
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4456 41
 atggaagaga agtttttagta raggggagga aggaggaggt g

 <210> 4457
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

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 gagagagact tttttttttt taaggcgaga gtttactacc t

 <210> 4458
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4458 41
 gtattaactc aaatctgatc wgcctactg ggccaggatt c

 <210> 4459
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4459 41
 tttgcagtat cattgccttg ygatatatat tactttaatt a

 <210> 4460
 <211> 42
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(22)
 <223> at is present or absent.

 <400> 4460

atacatatat atgcacacac ataaatatgt atatatacac at	42
<210> 4461	
<211> 41	
<212> DNA	
<213> Homo sapiens	
<400> 4461	
taaatatgta tatatacaca wgtatacatg tataagtatg c	41
<210> 4462	
<211> 41	
<212> DNA	
<213> Homo sapiens	
<400> 4462	
ggaagtataa atttgtaaata mactgagacc caaacttaca a	41
<210> 4463	
<211> 41	
<212> DNA	
<213> Homo sapiens	
<400> 4463	
tgctattgac taatagtaata watttttaggg cagctttatg a	41
<210> 4464	
<211> 41	
<212> DNA	
<213> Homo sapiens	
<400> 4464	
tggtagtct atgtggaaac mgtgaggaaa taattttata t	41
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<211> 41	
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<213> Homo sapiens	
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caaaaaggta tggaagtcag mggagaagga gaccctatg t	41
<210> 4466	
<211> 41	
<212> DNA	
<213> Homo sapiens	
<220>	
<221> misc_feature	
<222> (21)..(21)	
<223> a is present or absent.	
<400> 4466	
aagtatgcaa aaaaaaaaaa agaaataaat cactgacaca c	41

<210> 4467
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4467
 cattaataaa ataacaaatc rtatctattc aaagaatggc a 41

 <210> 4468
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4468
 tgacatttgt gatatgatta ytctaattta gtctttttca g 41

 <210> 4469
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

 <400> 4469
 ttaccttttaa cttttttttt tagtttgatc agctctcttt a 41

 <210> 4470
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4470
 atgcttttgg agttgggtct yataaatgta tagaaatggt t 41

 <210> 4471
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4471
 atgtggaaca atcatgacta yatgcctttt acttttctcta t 41

 <210> 4472
 <211> 42
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(22)
 <223> at is present or absent.

<400> 4472
 agaatcaata ttaaacacac atgtttttatt atatggagtc at 42

<210> 4473
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> a is present or absent.

<400> 4473
 ctgtcctaaa gtttaaaaag aaaaaaaaaa ggaagaagga a 41

<210> 4474
 <211> 54
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (33)..(34)
 <223> t is present or absent.

<400> 4474
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<210> 4475
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4475
 actcttcccc cttgtcaaca yatgatgaag cttttaaata c 41

<210> 4476
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4476
 ggggtgaagct ctttccccac yggaactcaa gcaagtgcaa g 41

<210> 4477
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

<400> 4477
 ggatgaatta agtttttttt taaaaaagaa acatttggt a 41

<210> 4478
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4478
 aaaggggctg aaggggtctt ycttttgtgt tcccctgact g 41

<210> 4479
 <211> 43
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 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(23)
 <223> cac is present or absent.

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<210> 4480
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4480
 agcctgggca acatagtgag rcccccccg ccctttctac a 41

<210> 4481
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4481
 aggaggactg tgaatcccag mctgcatgtt tgggtcggat t 41

<210> 4482
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4482
 catctcacta aggaagaatc yagtaaccag caaggatgag a 41

<210> 4483
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4483
 cccagactgc actcctgcag ygctgcctgg ctctgtagt t 41

<210> 4484
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4484
 tttcagagct gtctggaaat wtagggggca ggtgggaagg g 41

 <210> 4485
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4485
 ccctaccct agcccagggg yccccacatg agtatgaatg g 41

 <210> 4486
 <211> 43
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(23)
 <223> cca is present or absent.

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 <210> 4487
 <211> 40
 <212> DNA
 <213> Homo sapiens

 <400> 4487
 agagaaccct tcattaacca gggcgtggct gaccagtgtc 40

 <210> 4488
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4488
 taaagcacia gttatcacc rtggatggat ttgtcctttt c 41

 <210> 4489
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4489
 ttatctcccc ttgaaaggac rctccacaga gccagaaatt c 41

 <210> 4490

<211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4490
 cagagccaga aattctagaa sagggaaaag tggaggggag g 41

 <210> 4491
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4491
 ctgtgaactg cagggacaga rggaaatggg tattgggaga a 41

 <210> 4492
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4492
 tgaactgcag ggacagaagg maatgggtat tgggagaatg g 41

 <210> 4493
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4493
 gacagaagga aatgggtatt rggagaatgg ccagccctcc a 41

 <210> 4494
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4494
 tgggtattgg gagaatggcc rgccctccaa ggggctgatg t 41

 <210> 4495
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4495
 ggggacagcc ttcagctgtg raattcctcc agtcctagag a 41

 <210> 4496
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4496
 cattattcca gtctgagggc rtgagagcag aaggccgatg c 41

<210> 4497
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 <212> DNA
 <213> Homo sapiens

 <400> 4497
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 <210> 4498
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4498
 ccataccta gtcctcctgc mgggacccaa ggtggatggc a 41

 <210> 4499
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4499
 ggtgagggtg agcaggccac ytggggccagg gtgggggtggg a 41

 <210> 4500
 <211> 41
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 <400> 4500
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 <210> 4501
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 <212> DNA
 <213> Homo sapiens

 <400> 4501
 cacgtgtgct ctaccccagg stcccagagg gagagggggg t 41

 <210> 4502
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4502
 gttcgtgag gttggcggat ractttccgt agaaaggga g 41

 <210> 4503
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4503
 tgtattcata tcgtcacgct sgtaaataa tgagtaagt t 41

<210> 4504
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4504
 ggcattaggt caaaatcctg rtgggacaaa aggggaaact g 41

 <210> 4505
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4505
 tctgtagaaa gtacatgggg rcatgaagat cattggcttg a 41

 <210> 4506
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4506
 gattcccagg gaatgttaaa maggaccggg tcttcctaaa c 41

 <210> 4507
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4507
 tctgaccag taccagccag sggggcaagt ttccatcccc c 41

 <210> 4508
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4508
 gttgccatct gagatcttgc yggaagtaca caagagaccc t 41

 <210> 4509
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4509
 ttccactggc cttttctgct yagtaattgc tacattacag g 41

 <210> 4510
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4510
 gaggaagctg cctcccgggtg rggacaggaa gcgggcatgg c 41

<210> 4511
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4511
 cccaggagtc caacctccct ktgtccagct agaccatggt g 41

 <210> 4512
 <211> 41
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 <400> 4539
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<400> 4545
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<210> 4546
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<400> 4546
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<210> 4547
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<400> 4547
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<210> 4548
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<400> 4548
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<210> 4549
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<400> 4549
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<210> 4550
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<400> 4550
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<210> 4551

<211> 41
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 <400> 4551
 cagctgagaa aggcggcagt sgtcagatgg gcttgagaaa c 41

 <210> 4552
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 <220>
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 <222> (21)..(24)
 <223> aaaa is present or absent.

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 <210> 4553
 <211> 41
 <212> DNA
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 <400> 4553
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 <210> 4554
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 <400> 4554
 ctcttaggga tcttgtctaa ktaaagaaga gcagagcaaa g 41

 <210> 4555
 <211> 41
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 <400> 4555
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 <210> 4556
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 <400> 4556
 gcgcctcaca ctctataac rcgcacatgc cctgatgcac a 41

 <210> 4557
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<213> Homo sapiens
 <400> 4557
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 <210> 4558
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 <213> Homo sapiens

 <400> 4558
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 <210> 4559
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 <210> 4560
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 <213> Homo sapiens

 <400> 4560
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 <210> 4561
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 <400> 4561
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 <210> 4563
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 <210> 4564
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 <222> (21)..(21)
 <223> c is present or absent.

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 <400> 4566
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 <210> 4567
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 <212> DNA
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 <400> 4567
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 <210> 4568
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 <213> Homo sapiens

 <400> 4568
 gctggccttc tggcttgagc wagtgtgatt ttaagaatca g 41

 <210> 4569
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 <400> 4569
 tgcagaagtt gtattttaag ratcagagct cttgtgagga g 41

 <210> 4570
 <211> 41
 <212> DNA
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<400> 4570
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<210> 4571
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4571
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<210> 4572
 <211> 41
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<400> 4572
 aggatatcat gaaacactga mtcttagtaa aaactatctt t 41

<210> 4573
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 <213> Homo sapiens

<400> 4573
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<210> 4574
 <211> 41
 <212> DNA
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<400> 4574
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<210> 4575
 <211> 49
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 <213> Homo sapiens

<220>
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 <222> (29)..(29)
 <223> t is present or absent.

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<210> 4576
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (21)..(21)
 <223> a is present or absent.

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<210> 4577
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4577
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<210> 4578
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4578
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<210> 4579
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 <212> DNA
 <213> Homo sapiens

<400> 4579
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<210> 4580
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<400> 4580
 tttctttttt ctcaaaaaaa ytaaattgtt gttattttatt t 41

<210> 4581
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 <213> Homo sapiens

<400> 4581
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<210> 4582
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 <213> Homo sapiens

<400> 4582
 tttttaactt attgtttgcc ktttcatttt ttaatagaaa a 41

<210> 4583
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4583
 cgaatttgct gcttttagag waatctttgc aaataataaa a 41

 <210> 4584
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 <400> 4584
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 <210> 4585
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 <400> 4585
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 <210> 4586
 <211> 41
 <212> DNA
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 <400> 4586
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 <210> 4587
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 <400> 4587
 ataagtgtc tcccagtgtt rattggactt agagcatttt c 41

 <210> 4588
 <211> 44
 <212> DNA
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 <220>
 <221> misc_feature
 <222> (21)..(24)
 <223> taac is present or absent.

 <400> 4588
 caaaacagaa taatgaaaag taactattat ctaaaataat aaaa 44

 <210> 4589
 <211> 46

<212> DNA
 <213> Homo sapiens

 <220>
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 <222> (21)..(26)
 <223> ctcttt is present or absent.

 <400> 4589
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 <210> 4590
 <211> 42
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(22)
 <223> ct is present or absent.

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 <210> 4591
 <211> 40
 <212> DNA
 <213> Homo sapiens

 <400> 4591
 aacatactct cctcctctct aagtcaaaat atattagtat 40

 <210> 4592
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 <400> 4592
 ttctgtgaaa gtgtcccaaa wtgtgccttt aaattgtttt t 41

 <210> 4593
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 <210> 4594
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4594
 ctcatttcaa acttggtat ytggactctc cccaggcatt g 41

<210> 4595
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 atcccctagt gatgtacact ragcttgcct ccacctttcc t 41

 <210> 4596
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 <220>
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 <222> (21)..(21)
 <223> a is present or absent.

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 <210> 4598
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 <400> 4598
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 <210> 4599
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4599
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 <210> 4600
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 <213> Homo sapiens

 <220>
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 <222> (21)..(21)
 <223> t is present or absent.

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<210> 4601
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<400> 4601
 aagtaactca aggaaagatg rtttaacttg tgaaatcgta a 41

<210> 4602
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4602
 ctcatagttc agaagagttc mgagcccaat tcagaagagt t 41

<210> 4603
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> g is present or absent.

<400> 4603
 tgaacctata aaattctaata gccatctttg gatgaggtgc a 41

<210> 4604
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4604
 ccagggacaa aagaagatga ygtaaaactta aggattggga c 41

<210> 4605
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4605
 agcaagccag gaagaaagtc sattaagttg tatttagaaa t 41

<210> 4606
 <211> 48
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<220>

<221> misc_feature
 <222> (21)..(28)
 <223> aattagaa is present or absent.

 <400> 4606
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 <220>
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 <223> n is t.

 <220>
 <221> misc_feature
 <222> (24)..(24)
 <223> n is a or t.

 <220>
 <221> misc_feature
 <222> (25)..(26)
 <223> n is a.

 <220>
 <221> misc_feature
 <222> (27)..(27)
 <223> a is present or absent.

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 <210> 4608
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4608
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 <210> 4609
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4609
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 <210> 4610
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 <222> (21)..(21)
 <223> t is present or absent.

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<210> 4611
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 <212> DNA
 <213> Homo sapiens

<400> 4611
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<210> 4612
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 <212> DNA
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<400> 4612
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<210> 4613
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<400> 4613
 tgcttttgct ttccacttca rtatccagaa aactctctca t 41

<210> 4614
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 <212> DNA
 <213> Homo sapiens

<400> 4614
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<210> 4615
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 <213> Homo sapiens

<220>
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 <222> (21)..(21)
 <223> t is present or absent.

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<210> 4616
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<212> DNA
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 <210> 4617
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 <400> 4617
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 <210> 4618
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 <210> 4619
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 <213> Homo sapiens

 <400> 4619
 gggcacaatg gcatccatcc yccgaaggcc tgtgtgtgct c 41

 <210> 4620
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 <210> 4624
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 <210> 4625
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 <210> 4626
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 <400> 4626
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 <223> c is present or absent.

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 <210> 4629
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<213> Homo sapiens
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 tacagaatca cctttgtcaa rccttaagcc tttattgaaa g 41

 <210> 4630
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 <400> 4630
 gtagccgccg ccgccgccgc ygccgcgtcc cctcgccggc t 41

 <210> 4631
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 <400> 4631
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 <210> 4632
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 <210> 4633
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 <213> Homo sapiens

 <400> 4633
 accacagtgg tctttttttt rtatttaaaa aaattattgg g 41

 <210> 4634
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 <223> g is present or absent.

 <400> 4758
 ctccaccctg cacctccctg gcctccttga tttccctcat c 41

 <210> 4759
 <211> 40

<212> DNA
 <213> Homo sapiens

 <400> 4759
 ctccaccctg cacctccctg cctccttgat ttccctcatc 40

 <210> 4760
 <211> 47
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (27)..(27)
 <223> a is present or absent.

 <400> 4760
 cagtttccag aatttggggg aaaaaaatcc cataagctgt cataactt 47

 <210> 4761
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> c is present or absent.

 <400> 4761
 tgtcgagagc tccccttgcc ctggttgatc ctcagggttc t 41

 <210> 4762
 <211> 40
 <212> DNA
 <213> Homo sapiens

 <400> 4762
 tgtcgagagc tccccttgcc tgggttgatcc tcagggttct 40

 <210> 4763
 <211> 49
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(29)
 <223> tcctcaggg is present or absent.

 <400> 4763
 agctcccctt gcctggttga tcctcagggt tctacttaga atgcctcga 49

 <210> 4764

<211> 70
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (45)..(47)
 <223> cgc is present or absent.

<220>
 <221> misc_feature
 <222> (48)..(50)
 <223> cgc is present or absent.

<400> 4764
 cgcagctcaa gcctcgtccc cgccgccgcc gccgccgccg ccgccgccgc ccccggggca 60
 tggcctgtct 70

<210> 4765
 <211> 52
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (31)..(32)
 <223> a is present or absent.

<400> 4765
 tcttgcccttg agctcaagag aaaaaaaaaa aatagccagg tttctgcgca tg 52

<210> 4766
 <211> 76
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(56)
 <223> caccaggcagcagactctgatgaggaggggaggggg is present or absent.

<400> 4766
 ctgatgagga ggggaggggg caccaggcag cagactctga tgaggagggg agggggcacc 60
 aggcagcaga ctctga 76

<210> 4767
 <211> 40
 <212> DNA
 <213> Homo sapiens

<400> 4767
 ctgatgagga ggggaggggg caccaggcag cagactctga 40

<210> 4768
<211> 41
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)..(21)
<223> g is present or absent.

<400> 4768
catgaacttg cctgaccata gccctgtgag gagctagggc t 41

<210> 4769
<211> 40
<212> DNA
<213> Homo sapiens

<400> 4769
catgaacttg cctgaccata ccctgtgagg agctagggct 40

<210> 4770
<211> 41
<212> DNA
<213> Homo sapiens

<400> 4770
tcatttgaaa gtgggtatgc rgtttaaaac tgacagttca a 41

<210> 4771
<211> 41
<212> DNA
<213> Homo sapiens

<400> 4771
agctagtcac aaataaatac rccagagtag taaggaagag a 41

<210> 4772
<211> 41
<212> DNA
<213> Homo sapiens

<400> 4772
cctcatgaat ggtatacatg wcccaacata tctcttttga t 41

<210> 4773
<211> 41
<212> DNA
<213> Homo sapiens

<400> 4773
acagtgggtcc ctttgggtgc rtatacccaa atccctgcat a 41

<210> 4774
<211> 41

<212> DNA
 <213> Homo sapiens

 <400> 4774
 ataggaataa ttgagaacag rgtctgaaga actctgcagg a 41

 <210> 4775
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4775
 ctgaagaact ctgcaggaaa yraaaatagt tccctgcttt t 41

 <210> 4776
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4776
 tgaagaactc tgcaggaaay raaaatagtt ccctgctttt a 41

 <210> 4777
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4777
 tcacttaagg ctttgcaggg kgtctaggac acagaaagag a 41

 <210> 4778
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4778
 aaagtgtctt taaaatttcc rtcttgagtc agtgagctat t 41

 <210> 4779
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4779
 tcttgagtca gtgagctatt kaaattcaag caataagtta t 41

 <210> 4780
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4780
 ctgtttggga acagcaactc matcataggc agagagaaag t 41

 <210> 4781

<211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4781
 atttcaaacc tgtttcacaa rttgttaagc tcattttaag g 41

 <210> 4782
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4782
 gaagggtgcat aacaacttcc kacataaagt ctggagctat a 41

 <210> 4783
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4783
 ctattgcttt tctgtctgca kaaagataaa aactctccag a 41

 <210> 4784
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4784
 atgtcgaagt ttttatccca rtgtcacaag gaaacaccaa t 41

 <210> 4785
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4785
 tgtaaaaaga cagcttttta rtttacctac agtgaacctc a 41

 <210> 4786
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4786
 caaccctaaa ttggagggcc ygggcgtggt gattgagaaa g 41

 <210> 4787
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4787
 gttgacagac ttttatagtg mgggacactg acctgcatgc a 41

<210> 4788
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4788
 atgtatgtac cacgtcttca yattcttaaa ggatgaccct a 41

 <210> 4789
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4789
 ggcaaactctt cgtgagtata rgagagtata agtaagcggt t 41

 <210> 4790
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4790
 tgacggtgag agaaaactta magttctcag cagctcttcg g 41

 <210> 4791
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4791
 tcctattctg ttttaataaa rgcattgaat ttaggtttgc t 41

 <210> 4792
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4792
 gtcaggctga actagagcaa rcaatctaaa ggcaagaata g 41

 <210> 4793
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4793
 tatactaata aatggtgtgt wtaagttttt atctctaatt g 41

 <210> 4794
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4794
 gacgcttatg tgcagcctat kttgatgtct ggaaaggctg a 41

<210> 4795
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4795
 ccctgagggc tgaggatatct rgattatttc cagacttgct a 41

 <210> 4796
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4796
 tgtgagtagg tctttgttct rggaacgggg ctgtccagca g 41

 <210> 4797
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4797
 tgttcttcaa ggaaagcccc ygtcaaagaa ggaaaagaag c 41

 <210> 4798
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4798
 atgtcttttag tcttgccat kggatgaagtc agttgcacct t 41

 <210> 4799
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4799
 tatgcagtta catggacaga yacaacattg gagaccgagg g 41

 <210> 4800
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4800
 gctctgataa ggaattgttt ytttccttca tttcttctg c 41

 <210> 4801
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4801
 ttactcaagc aggcctgact yttagtattt gctttttgta g 41

<210> 4802
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4802
 ctaatgaaaa caaacaagaa ygaaagattg tcaactgtaaa t 41

 <210> 4803
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4803
 taactctttg gaaacttctt raaattttaa actgtttacc t 41

 <210> 4804
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4804
 ccaggggcac tgaatttttc ygagcctacg ttttctcatc c 41

 <210> 4805
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4805
 gccgcatagt catgtgttgt wgttttttaa ttaacttgga a 41

 <210> 4806
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4806
 aacaagaaac acttgaataa rttgagaaaa aaccccgttt t 41

 <210> 4807
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4807
 tgagtagctg ggattacagg ygcccaccac cacacctggc t 41

 <210> 4808
 <211> 44
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature

<222> (21)..(24)
 <223> tcac is present or absent.

 <400> 4808
 gttgggatgg ctacactcac tcacaaagcc tgatggcccg tttc 44

 <210> 4809
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

 <400> 4809
 ctgctagttt attttttttt taacattttt aatttatggt t 41

 <210> 4810
 <211> 51
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (30)..(31)
 <223> t is present or absent.

 <400> 4810
 tcaatatggt tctgcttatt tttttttttt taatgggtac ttaatcctaa t 51

 <210> 4811
 <211> 48
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (28)..(28)
 <223> a is present or absent.

 <400> 4811
 aaacacttga ataarttgag aaaaaaaacc ccgttttcac ataatggt 48

 <210> 4812
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4812
 ggccctgggtg tcccatgttc rgaaagtcct gcaccagtgg g 41

 <210> 4813

<211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4813
 gaacacagaa ggtattctga ragggcattg acccccatcc t 41

 <210> 4814
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4814
 tgggtgtccct catgaagtcc ytggcacagg ggggccgtac c 41

 <210> 4815
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4815
 ggccctcctag gggtagagat ytcaccgtcg cctgccttcc c 41

 <210> 4816
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4816
 cttgcccttg ggaagtgagt rtgaatctaa actgagctct c 41

 <210> 4817
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4817
 ccccagaggc attgcaacca rtgggtgcta ggaagaacct a 41

 <210> 4818
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4818
 acgagataag tgayggtcat rtggccaggg aggaagggga c 41

 <210> 4819
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4819
 gggggacagc ttgaacaaga rtgtggaggc aggatggaca c 41

<210> 4820
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4820 41
 gagtgacagg cacatacatg mgaacaggcc atctcagccc t

 <210> 4821
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4821 41
 ccctggcccc cccgcccgcc mcgggggctt aggctacact g

 <210> 4822
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4822 41
 gcttggaggc atcttgaatg ygcctcatcc aaactggact g

 <210> 4823
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4823 41
 gagcaaatcc agcccacagc rtgtaaaatm ctgataagta a

 <210> 4824
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4824 41
 cagcccacag crtgtaaaat mctgataagt aattcagtgg g

 <210> 4825
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4825 41
 acagagatga gaaggaggct ygggaatcta ccctggctgg t

 <210> 4826
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4826 41
 tcttttggtc cagaatatat ytatatctag tttatttatg c

<210> 4827
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4827
 atttcagata tgtccattct ytgggtgggt caaagctaca t 41

 <210> 4828
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4828
 ggggtgtctgg aaacaaaact yattaccata tgagtatctt c 41

 <210> 4829
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4829
 tccccctggg gtttctgcag wtagaggtaa tcagtacagg g 41

 <210> 4830
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4830
 agcttcttga ttagaaattc rgtaaagaat tttttttagt c 41

 <210> 4831
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4831
 ggagttacag gctttaagta sagcgaagag aattggaaga a 41

 <210> 4832
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4832
 ttaaattgtg ctgggggtta yaaattgggt cccattaaa g 41

 <210> 4833
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4833
 gattatatgt ctttgatgtg ractcacact gagattgtac c 41

<210> 4834
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4834
 aaagcattta tgataataaa rtttcaaaac ccaaactt a 41

 <210> 4835
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4835
 cagagacatt caaagtgcac ygctaccctt gtgatcacac a 41

 <210> 4836
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4836
 caactattga gttaccaaca ygttaatatg aatgagctca c 41

 <210> 4837
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4837
 gtaccgttag cttctctttg ragctgattt taggacagcc a 41

 <210> 4838
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4838
 tcatggagct agtgggactc rtgcagggag agctccaggg t 41

 <210> 4839
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4839
 tcaacaagcc tgcttactgc rgtagttgt gaccattgtc t 41

 <210> 4840
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4840
 tgtctaagta atttaatgtt ktcctatgag agctgaagga g 41

<210> 4841
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4841
 aaggccctga aatggctgtt kctggctatt gttccgagct c 41

 <210> 4842
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4842
 caaacagaaa gaattttata ycttttgatt gacagaaaat a 41

 <210> 4843
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4843
 attttcaciaa tgaatgttg ktcggtctct ccttcctttt t 41

 <210> 4844
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4844
 ggtagttct aactttctac rttggtacct tcaactttct g 41

 <210> 4845
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4845
 tgaggattaa aataaaaaac ygtaggaatg ggctcaacag t 41

 <210> 4846
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4846
 catagcactc agcaagaaac stgtgctaaa gactgaggtt c 41

 <210> 4847
 <211> 43
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature

<222> (21)..(23)
 <223> agg is present or absent.

 <400> 4847
 gggcacagct ccctgggagc aggagaactc ccgatagcag agt 43

 <210> 4848
 <211> 47
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(27)
 <223> taacatt is present or absent.

 <400> 4848
 agcgggttgg gtgagccctt taacattagg taggtgtggt gttggct 47

 <210> 4849
 <211> 52
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (31)..(32)
 <223> a is present or absent.

 <400> 4849
 ggaattaaga ctatgcagac aaaaaaaaaa aagcctgcag gataaaagac tg 52

 <210> 4850
 <211> 57
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (36)..(37)
 <223> t is present or absent.

 <400> 4850
 ctttttttgt agtctggtcc tttttttttt tttttttctt ttctgttct tactctg 57

 <210> 4851
 <211> 53
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (32)..(33)
 <223> a is present or absent.

<400> 4851
 taccctaataaa cttaaagtat aaaaaaaaaa aaacctaccg aaaaaaaaaa aaa 53

<210> 4852
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4852
 aagagagctg cagcccaggg kcacagacct gtgggccccca t 41

<210> 4853
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4853
 cctttgactg aattcgggat rtggcaggat ttgaagcagg a 41

<210> 4854
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4854
 cctcacaacc tgaaaggcca kgtgtaaatt gagaaattct a 41

<210> 4855
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4855
 tgggtacgggg gagccacttc yagcccagac cacaacctgt c 41

<210> 4856
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4856
 tgggacaatg aagcaatgtg yacagtgaca gcggagaggg c 41

<210> 4857
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4857
 ggggttgaggt gggaatggaa mtctggagtt ctactcactg g 41

<210> 4858
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4858
 tacacaaatc agcttaaaga wctctcatgt acacaccacc a 41

<210> 4859
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4859
 gaaaataaac cctggtcaga ygcttgaggt cagcctccct c 41

<210> 4860
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4860
 aagggtgttc tgggctcccc rtaagtgttt gttgggtgca t 41

<210> 4861
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4861
 cagcttctaa aggagcccct matctctcct gtctyccaca g 41

<210> 4862
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4862
 gccctmatc tctcctgtct yccacagggc ctccaggata g 41

<210> 4863
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4863
 ggaggtcaga gacctcaact rccaggtaga ggcacgcctg g 41

<210> 4864
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4864
 gaaataaaaag ggtgggccca mcttgcaggc cctctgcccs c 41

<210> 4865
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4865
 amcttgagg ccctctgccc scaaggacag agtccagtc a 41

<210> 4866
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4866
 gacccccagg tccaagaagc yacagtgtcc atgccccgct c 41

<210> 4867
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4867
 caggaggaca ggccgcccct ygccctctgt actcacattc t 41

<210> 4868
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4868
 cacagaaagg tcacctccct mcctgtgctc aggtggcagc c 41

<210> 4869
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4869
 gcacctgccg acctggccat yggggaataa tttaaagtaa c 41

<210> 4870
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4870
 tggggcggtg cagcagttta mgacgctgat ccggaatta t 41

<210> 4871
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4871
 gaaaaaaaca gcatccagca rggcgttggt ggcttatgcc t 41

<210> 4872
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4872
 ttctctttttc ctttccctta ytttttaggt tactcagaga g 41

<210> 4873
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4873
 aggaagcaga ggttcagaga rgctacgtgg ctctccaagg c 41

<210> 4874
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4874
 ctttttaaagc tttataataa yggcagtgaa ggtgctggct t 41

<210> 4875
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4875
 gcctccttct tcagcaatgc yctctacaac tccttctacc t 41

<210> 4876
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4876
 tgctttcatc tggagatgga yacttatcac ttagatccaa c 41

<210> 4877
 <211> 53
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (32)..(33)
 <223> t is present or absent.

<400> 4877
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<210> 4878
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

 <400> 4878
 tttatctttc ccattttttt tctgtataat tttgggtctt t 41

 <210> 4879
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

 <400> 4879
 tcagagcaca gaggtttttt tatagaactc tctccgggcc a 41

 <210> 4880
 <211> 52
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (31)..(32)
 <223> a is present or absent.

 <400> 4880
 tggctttact gtgcctatatt aaaaaaaaaa aatgagagac ttgggcaata tg 52

 <210> 4881
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

 <400> 4881
 tttcctttcc cttayttttt taggttactc agagagggca a 41

 <210> 4882
 <211> 40
 <212> DNA
 <213> Homo sapiens

 <400> 4882
 tttcctttcc cttayttttt aggttactca gagagggcaa 40

<210> 4883
<211> 49
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (28)..(29)
<223> c is present or absent.

<400> 4883
ggcagggttg agagcaagtg cccccccca cccaccaggg tgggggtaa 49

<210> 4884
<211> 41
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)..(21)
<223> a is present or absent.

<400> 4884
tcctggggac agtgaggaca atgaccctac agatgctcag c 41

<210> 4885
<211> 41
<212> DNA
<213> Homo sapiens

<400> 4885
aactcagatt ctcggcacct ycagcagctg gcttcgccaa c 41

<210> 4886
<211> 41
<212> DNA
<213> Homo sapiens

<400> 4886
ctgaaattat atgcaaattc ygtagcttta taggaagcag a 41

<210> 4887
<211> 41
<212> DNA
<213> Homo sapiens

<400> 4887
ttgtgtagga agctgatata ktaatttgac atatgagatg t 41

<210> 4888
<211> 41
<212> DNA
<213> Homo sapiens

<400> 4888
 ccaagaaact tcagctttct yttcacttaa atataggaaa c 41

<210> 4889
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4889
 atatccagaa acagatggta ygtgcagaac aggttgtaga g 41

<210> 4890
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4890
 tggatgatta gactgactct sagaatattg ataagccatt t 41

<210> 4891
 <211> 56
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (34)..(36)
 <223> t is present or absent.

<400> 4891
 tttgtctggg ttggttgggg tttttttttt ttttttgaga ctgggtctga ctctca 56

<210> 4892
 <211> 50
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (30)..(30)
 <223> t is present or absent.

<400> 4892
 tacatttgtc aaaatttata tttttttttt gcagataatc atttcatctc 50

<210> 4893
 <211> 56
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (35)..(36)
 <223> t is present or absent.

<400> 4893
 taaattcaca tgattctgta tttttttttt ttttttagga tcctcctgac tggcag 56

<210> 4894
 <211> 57
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (34)..(37)
 <223> t is present or absent.

<400> 4894
 tctttcaaac ttatatttgc tttttttttt tttttttcat agtttcatgt ttgatga 57

<210> 4895
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

<400> 4895
 ttgctctggt tcaaattctt tattcatggg ccagcagctc g 41

<210> 4896
 <211> 40
 <212> DNA
 <213> Homo sapiens

<400> 4896
 ttgctctggt tcaaattctt attcatgggc cagcagctcg 40

<210> 4897
 <211> 49
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (29)..(29)
 <223> a is present or absent.

<400> 4897
 agtgtagatg gacctcgggg aaaaaaaaaac tagttaagga aaagtaata 49

<210> 4898
 <211> 49
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (29)..(29)
 <223> t is present or absent.

 <400> 4898
 ttccaatttt ccattgttac tttttttttc ttgccagatt actcctgaa 49

 <210> 4899
 <211> 56
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(36)
 <223> gcagtattac tgtagt is present or absent.

 <400> 4899
 tcctctgcat tttggcttct gcagtattac tgtagtattt gtcattttca aattaa 56

 <210> 4900
 <211> 54
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (34)..(34)
 <223> t is present or absent.

 <400> 4900
 ttttttggtt tctttctttc tttttttttt ttttaatctt ggaggaatct tttt 54

 <210> 4901
 <211> 50
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (30)..(30)
 <223> t is present or absent.

 <400> 4901
 gattagaaat ccagggttaaa tttttttttt gttttgcaca aaaatattac 50

 <210> 4902
 <211> 51
 <212> DNA
 <213> Homo sapiens

 <220>

<221> misc_feature
 <222> (31)..(31)
 <223> t is present or absent.

<400> 4902
 taaaatttaa tcaaaattga tttttttttt tctcttagtc ctcaaaccct t 51

<210> 4903
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4903
 gccagcccca tcggggttcc ycgccgccgg aagcggaaat a 41

<210> 4904
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4904
 gcacgagact gaccgggccc stgcgggagt tactgcgcat g 41

<210> 4905
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4905
 tgactttaac cgaccacctc yctctcttct cgggcagaaa a 41

<210> 4906
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4906
 agtgtgccct catccctgct mcatggggac caagctgtag t 41

<210> 4907
 <211> 54
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (31)..(34)
 <223> a is present or absent.

<400> 4907
 acagagcgag actccgtctc aaaaaaaaaa aaaagaaaaa aaaaaaaaaac attt 54

<210> 4908
 <211> 55
 <212> DNA

<213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (34)..(35)
 <223> a is present or absent.

 <400> 4908
 cgtctcaaaa aaaaaaaaaag aaaaaaaaaa aaaaacattt catcagacct gtctt 55

 <210> 4909
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> a is present or absent.

 <400> 4909
 tcagccggcc ccgagagtga agctttcctt cccagaagtc t 41

 <210> 4910
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

 <400> 4910
 attaatttga tcaattgtct taatatgtcg tactctagat t 41

 <210> 4911
 <211> 40
 <212> DNA
 <213> Homo sapiens

 <400> 4911
 attaatttga tcaattgtct aatatgtcgt actctagatt 40

 <210> 4912
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4912
 gcagctcgga ctcagctccc rgagcaaccc agctgcggag g 41

 <210> 4913
 <211> 41

<212> DNA
 <213> Homo sapiens

 <400> 4913
 gaaggcctca gccccagcc rctgggctgg gcctggccca a 41

 <210> 4914
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4914
 caatagaaca accttttctc rggctcatgc cgccctgacc c 41

 <210> 4915
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4915
 ttctctggct tccccactc mgttctccag cctgcctgct c 41

 <210> 4916
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4916
 gagacttccc atgataacct yccagggtt ccccccaaa c 41

 <210> 4917
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4917
 gaaccagatg cccccagcct ygactcagtc ccagtctcca c 41

 <210> 4918
 <211> 55
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (34)..(35)
 <223> a is present or absent.

 <400> 4918
 ggaagatggg ggcctttgtt aaaaaaaaaa aaaaagtaca tggagaaatt aactg 55

 <210> 4919
 <211> 55
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (33)..(35)
 <223> a is present or absent.

<400> 4919
 aataggttga ggaggagcag aaaaaaaaaa aaaaatcaag agtgtggagg gggca 55

<210> 4920
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4920
 ttgacctcca aaagtgtttg rattacaggc atgggccatt g 41

<210> 4921
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4921
 ccacatccat cattcgagac mmactcgtct cagctgccat g 41

<210> 4922
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4922
 cacatccatc attcgagacm mactcgtctc agctgccatg a 41

<210> 4923
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4923
 actagactgc tagtgtcctc yggtagagccc agtcccatag g 41

<210> 4924
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4924
 ataaatgtgt acatgagtgt rtgaacacaa atacataagg t 41

<210> 4925
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4925
 tgtagcagcc cacatcgcca rtgttcacac ctgagagaga g 41

<210> 4926
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4926
 ttcctgagag gcaaatcccc ytcccctact cgggaggtgc c 41

 <210> 4927
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4927
 cctgcccaca gctctggctc rtcttgcccc agtgccatga c 41

 <210> 4928
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4928
 cctgtccacc actgtcgccc rccccacaat gcctccacag g 41

 <210> 4929
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4929
 gcaccaagac ccttggcttc ytcccactca gagtccaagc a 41

 <210> 4930
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4930
 gctcatcctc tctggtcctt ktgccccagc acaggttcct c 41

 <210> 4931
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4931
 tctgtccac ccgtgcaccc scaaagaggc aaagagctgg g 41

 <210> 4932
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4932
 tggcgttggc tgcagttaac wgtgtccatt cccttcttcg t 41

<210> 4933
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4933
 tcgaagtaca aaggaaagtt yaaagagaag cctgagcctg g 41

 <210> 4934
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4934
 gaccaatggg ttccagactc raagacaaaa attatgttta t 41

 <210> 4935
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4935
 attgtcctgt cctctaccca rgggagccat cctttatgaa c 41

 <210> 4936
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> g is present or absent.

 <400> 4936
 tacatttggt cccagggggg gaagcggctg atcaggagag a 41

 <210> 4937
 <211> 40
 <212> DNA
 <213> Homo sapiens

 <400> 4937
 tacatttggt cccagggggg aagcggctga tcaggagaga 40

 <210> 4938
 <211> 42
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(22)
 <223> aa is present or absent.

<400> 4938	
tctgacttgg actgggcaaa aagtatggtg gtatctggat ag	42
<210> 4939	
<211> 41	
<212> DNA	
<213> Homo sapiens	
<400> 4939	
acagagtaga tggtcaataa rtatttggtg tatctgtgag a	41
<210> 4940	
<211> 41	
<212> DNA	
<213> Homo sapiens	
<400> 4940	
tagtgcagcg actatgcctt ratgtgtgtg tgtttgggat t	41
<210> 4941	
<211> 41	
<212> DNA	
<213> Homo sapiens	
<400> 4941	
aaatgtgtgc ctgtatgtta yacatctgta catatatttc c	41
<210> 4942	
<211> 41	
<212> DNA	
<213> Homo sapiens	
<400> 4942	
acaaacacaa ctcaaagtat rtgtgttatt aaaagtagct a	41
<210> 4943	
<211> 41	
<212> DNA	
<213> Homo sapiens	
<400> 4943	
ttgattcagg caagttagtc staaatggct ttgagagact t	41
<210> 4944	
<211> 41	
<212> DNA	
<213> Homo sapiens	
<400> 4944	
caacataaca ataatttcct rtaagaaaaa tggccatttt g	41
<210> 4945	
<211> 41	
<212> DNA	
<213> Homo sapiens	

<400> 4945
 gtttagcaag gttagatatt ratgtggatg ttaagacaaa a 41

<210> 4946
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4946
 ttgctagaag ctagtaggac yagctttata aatacagaga t 41

<210> 4947
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4947
 aactagttag gcaacccatg ygttttaggg raaaagcaat g 41

<210> 4948
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4948
 gcaacccatg ygttttaggg raaaagcaat gaggtcatga t 41

<210> 4949
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4949
 atagtttgct cttaagaata yactctgaga aggtttatag t 41

<210> 4950
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4950
 ttatgctccc gaggagttag ytctctaaat gcataaggag a 41

<210> 4951
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4951
 aaagactggg agcacttccc ratgacaaat actagactag a 41

<210> 4952
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4952	
aaaaagttat atagaaatat ragtgtcact cctttctagt t	41
<210> 4953	
<211> 41	
<212> DNA	
<213> Homo sapiens	
<400> 4953	
gtctactagt gttcaactcc yttagatctt agcctgtatc a	41
<210> 4954	
<211> 41	
<212> DNA	
<213> Homo sapiens	
<400> 4954	
aaagcctaag aaggatgcag ygcaatagcc tatgtgagaa g	41
<210> 4955	
<211> 41	
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<213> Homo sapiens	
<400> 4955	
tatggtttgc aaaaaactta ytcgtatatt tgtttttttc a	41
<210> 4956	
<211> 41	
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<213> Homo sapiens	
<400> 4956	
caggaaatga agttgcactt ycctctctag gagcaatgct t	41
<210> 4957	
<211> 41	
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tcagttttgt caatttacac ratggggatt tgggaccttt t	41
<210> 4958	
<211> 41	
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<213> Homo sapiens	
<400> 4958	
aatgaataga ctttgagtta ytggtttttt agtggataaa t	41
<210> 4959	
<211> 41	
<212> DNA	
<213> Homo sapiens	

<400> 4959
 tgaatgtcac attttttaaa rtttgtgttc cttatctcat a 41

<210> 4960
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4960
 ttttattctg gattcatgtt ygtggaaatt gcagtagtcc a 41

<210> 4961
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4961
 tccacaatga tgagtagagt rtcttggcac agttggcctt c 41

<210> 4962
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4962
 agtgtctgaa ttataagcca rttttatagt tggttgggac c 41

<210> 4963
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4963
 aaagtgaaag gaaattaaaa stgagaactt gagcctgaat g 41

<210> 4964
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4964
 tagaatgtac caaatgaatc rgcattctctg aggatgggac c 41

<210> 4965
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4965
 tgaaatcttc tttatcaact ygattttcct ccagacttta c 41

<210> 4966
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4966
 gcaaactcct aagttgaagt sttttaggat attttttgac t 41

<210> 4967
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4967
 tcatattttg tatttttaaag rttatctggg ttttactgaa a 41

<210> 4968
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4968
 tattcttctg agataaatca ytgaaggagt ggctatgtgg t 41

<210> 4969
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4969
 ttcactccta ttctctgcta yttttcttcc ttatttctta g 41

<210> 4970
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4970
 ttcttcttct tttggagctc waaagtagag ttcagttaat c 41

<210> 4971
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4971
 atcatcactg catgagagtt rgaattatct aactttgtga t 41

<210> 4972
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4972
 tttcttttat ttacaaactt rtttactttt caggtgtatg a 41

<210> 4973
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4973
 ctatcagaac aatattatta ktattatttt ttattacact t 41

<210> 4974
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4974
 tatgttttga taaactttgc mgtacaaata aagaaaattg a 41

<210> 4975
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4975
 tacaaataaa gaaaattgaa rtatttccaa ataaatcaag t 41

<210> 4976
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4976
 tctctggtct ccaaaatcat rtattttctc cctctttama t 41

<210> 4977
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4977
 atrtattttc tcctcttta mattttgctg aaacaatctt c 41

<210> 4978
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4978
 gtctttaaga acctaaaaaa mctcttaact caaaataata a 41

<210> 4979
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4979
 agtgactaaa gtttttctta maaacaagtg tctgaatcaa a 41

<210> 4980
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4980
 aatacactat gggtatttat rtgtactata aatggagtga g 41

<210> 4981
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 4981
 atttcctaaa tgatcagatg yatcatatga aaaaagaaag c 41

<210> 4982
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 <212> DNA
 <213> Homo sapiens

<400> 4982
 aggtgactga cataaatggg rgcagaggac ataatgaggt t 41

<210> 4983
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> a is present or absent.

<400> 4983
 attttctaatt ctgtattaaa agcgttccag gtatttttgt a 41

<210> 4984
 <211> 40
 <212> DNA
 <213> Homo sapiens

<400> 4984
 attttctaatt ctgtattaaa gcgttccagg tatttttgtta 40

<210> 4985
 <211> 42
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(22)
 <223> aa is present or absent.

<400> 4985
 tgatctttaa tagcggggaa aacaggcaag tacgctatag tt 42

<210> 4986

<211> 42
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(22)
 <223> ca is present or absent.

 <400> 4986
 attgagtcag gaaaccaaaa cagtttcaaa aatttgaaaa at 42

 <210> 4987
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

 <400> 4987
 aatgtcatgt cttttttttt taatgcagag tgtacaaagg a 41

 <210> 4988
 <211> 46
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(26)
 <223> tgtgtg is present or absent.

 <400> 4988
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 <210> 4989
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4989
 ggataaggca acccctatgt rtcactgctg caggagaggg a 41

 <210> 4990
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 <212> DNA
 <213> Homo sapiens

 <400> 4990
 tctttcagac ttcaaaggcc rtgatatttc atcagagctg t 41

<210> 4991
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4991
 tgcttattta acaggcataa kcttttgtct cctgagccag a 41

 <210> 4992
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 4992
 tatgtgcata tgtgtataca rgtaaaagtg tgtatatatg t 41

 <210> 4993
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<222> (33)..(34)
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 <223> ctt is present or absent.

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 <223> tgt is present or absent.

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<222> (45)..(47)
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 <400> 5154
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 <222> (21)..(24)
 <223> ctat is present or absent.

 <400> 5155
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 <210> 5156
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 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(38)
 <223> atattcacttggtatctg is present or absent.

 <400> 5156
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 <210> 5157
 <211> 44
 <212> DNA
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 <220>
 <221> misc_feature
 <222> (21)..(24)
 <223> ttta is present or absent.

 <400> 5157
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 <210> 5158
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature

<222> (21)..(21)
 <223> t is present or absent.

 <400> 5158
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 <210> 5159
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 <400> 5159
 ttcrccttata tgcagctttt gtccaaccaa acagaaggag 40

 <210> 5160
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 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> g is present or absent.

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 <210> 5161
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> a is present or absent.

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 <210> 5162
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 <220>
 <221> misc_feature
 <222> (30)..(31)
 <223> a is present or absent.

 <400> 5162
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 <210> 5163

<211> 41
 <212> DNA
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 <220>
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 <222> (21)..(21)
 <223> g is present or absent.

 <400> 5163
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 <220>
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 <222> (29)..(30)
 <223> at is present or absent.

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 <210> 5165
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 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (28)..(28)
 <223> t is present or absent.

 <400> 5165
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 <210> 5166
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 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (40)..(43)
 <223> t is present or absent.

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 tgt 63

 <210> 5167

<211> 41
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 <213> Homo sapiens

 <220>
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 <222> (21)..(21)
 <223> t is present or absent.

 <400> 5167
 aactcaaagg cttttttttt tccatgtgac acatatcctg t 41

 <210> 5168
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 <212> DNA
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 <220>
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 <222> (21)..(24)
 <223> tgat is present or absent.

 <400> 5168
 aaaaatctta aggcacacac tgattgacag ttgccttgat tgta 44

 <210> 5169
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 <220>
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 <222> (29)..(30)
 <223> t is present or absent.

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 <223> a is present or absent.

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 <210> 5173
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 <210> 5174
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 <210> 5175
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 <210> 5176
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 <400> 5176
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 <210> 5177
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 <210> 5178
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<212> DNA
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 <210> 5179
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 <210> 5180
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 <213> Homo sapiens

 <400> 5180
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 <210> 5181
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 <400> 5181
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 <210> 5182
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 <210> 5183
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 <210> 5185

<211> 41
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 <210> 5186
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 <210> 5187
 <211> 43
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(23)
 <223> gtg is present or absent.

 <400> 5187
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 <210> 5188
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 <400> 5188
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 <210> 5189
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 <220>
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 <222> (21)..(21)
 <223> n is g or t.

 <220>
 <221> misc_feature
 <222> (22)..(22)
 <223> n is g.

 <220>
 <221> misc_feature
 <222> (23)..(23)
 <223> n is g or absent.

<220>
<221> misc_feature
<222> (24)..(24)
<223> n is t or absent.

<220>
<221> misc_feature
<222> (25)..(28)
<223> n is g or absent.

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is t or absent.

<220>
<221> misc_feature
<222> (30)..(31)
<223> n is g or absent.

<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a or absent.

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<400> 5190
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<210> 5191
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<213> Homo sapiens

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<210> 5192
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<210> 5194
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<210> 5195
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<210> 5196
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<210> 5197
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<210> 5198
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<210> 5199
<211> 41
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<400> 5199
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<210> 5200
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<210> 5204
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<210> 5205
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 <212> DNA
 <213> Homo sapiens

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<210> 5206
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 <213> Homo sapiens

<400> 5206
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<210> 5207
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<400> 5207
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<210> 5208
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<400> 5208
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 <213> Homo sapiens

<220>
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 <222> (21)..(26)
 <223> acaaca is present or absent.

<400> 5209
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<220>
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 <222> (32)..(33)
 <223> t is present or absent.

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<210> 5211
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<400> 5211
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<210> 5212
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 <213> Homo sapiens

<220>
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 <222> (51)..(52)
 <223> ac is present or absent.

<220>
 <221> misc_feature
 <222> (53)..(54)
 <223> ac is present or absent.

 <220>
 <221> misc_feature
 <222> (55)..(56)
 <223> ac is present or absent.

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 atcgtcagaa ctggta 76

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 <400> 5213
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 <210> 5214
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 <210> 5217
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<220>
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 <222> (39)..(46)
 <223> t is present or absent.

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 tgtgga 66

<210> 5219
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<210> 5220
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<400> 5220
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<210> 5221
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 <212> DNA
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<400> 5221
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<210> 5222
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 <212> DNA
 <213> Homo sapiens

<400> 5222
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<210> 5223
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 <213> Homo sapiens

<400> 5223
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<210> 5224

<211> 41
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 <400> 5224
 atggccctgt gtgtccagga yttactctag ttgggggttg g 41

 <210> 5225
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 <212> DNA
 <213> Homo sapiens

 <400> 5225
 catgtggtac ctagcagcat rtctgactgt tgatacggtc a 41

 <210> 5226
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5226
 gaagcttggc ctcacacaca saggccggca ccctgtcatc a 41

 <210> 5227
 <211> 42
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(22)
 <223> tc is present or absent.

 <400> 5227
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 <210> 5228
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 <212> DNA
 <213> Homo sapiens

 <400> 5228
 agcaggttat ttgtataatt mtaaagcttt taactcaagg a 41

 <210> 5229
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 <212> DNA
 <213> Homo sapiens

 <400> 5229
 taatttattg atatccaagt rccctctata atagatgctc a 41

 <210> 5230
 <211> 41
 <212> DNA

<213> Homo sapiens
 <400> 5230
 caccagaaag gggtcctgtg ygcaaaggtc aggcaggagt g 41

 <210> 5231
 <211> 58
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (37)..(38)
 <223> t is present or absent.
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 <210> 5232
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 <212> DNA
 <213> Homo sapiens
 <400> 5232
 tagtcctgac tcacacatgg ktctgtgctt ttcgtcctcc t 41

 <210> 5233
 <211> 41
 <212> DNA
 <213> Homo sapiens
 <400> 5233
 ggtggagaac atgaccagtt rgaattaact gcagaagctg c 41

 <210> 5234
 <211> 41
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 <213> Homo sapiens
 <400> 5234
 gtggagtgt gtgaacaact stttaaaaga gtgtggggag g 41

 <210> 5235
 <211> 41
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 <400> 5235
 cgtgaactgg agagggctctg ygggcactgc ccggctgagc t 41

 <210> 5236
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<400> 5236
 gcagatggta aaggagcaga ygcggaaagc gacggtcagg g 41

<210> 5237
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5237
 agcgtccagt ggtaggaaag kctccacagg tggcaatccc a 41

<210> 5238
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5238
 gtcacatctctg ctcttctccc rcttcttcat ttttatagta c 41

<210> 5239
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5239
 cttctccac ttcttcattt ktatagtact attggtatta t 41

<210> 5240
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5240
 agcctgcct tcccctgcct ygtccttgatg aaacagggat c 41

<210> 5241
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5241
 tgagggatta cagccccaac rtggggaggg caggctgcac t 41

<210> 5242
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5242
 tgggtgtcgc aggtgtgtgc yggagtcctc tcggtggctg t 41

<210> 5243
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5243
 ggtgtgtgcc ggagtcctt sgggtggctgt tatcacaaaa a 41

<210> 5244
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5244
 gaggaagttc cattcctcat rtctaaacac cctagagacc c 41

<210> 5245
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5245
 tattgaccca aatctgttct macaatgtaa atatgactgt a 41

<210> 5246
 <211> 60
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (39)..(40)
 <223> t is present or absent.

<400> 5246
 tttctccatc tgcgaggggc tttttttttt tttttttttt cttcagtcctc tgactcatgc 60

<210> 5247
 <211> 48
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(28)
 <223> tggtaagt is present or absent.

<400> 5247
 ttttatctca cctggtaagt tggtaagttg gtaagttgtc tgctttca 48

<210> 5248
 <211> 40
 <212> DNA
 <213> Homo sapiens

<400> 5248
 ttttatctca cctggtaagt tggtaagttg tctgctttca 40

<210> 5249

<211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

<400> 5249
 gttttctttt cccttttttt tcatggagaa agaacagaga a 41

<210> 5250
 <211> 40
 <212> DNA
 <213> Homo sapiens

<400> 5250
 gttttctttt cccttttttt catggagaaa gaacagagaa 40

<210> 5251
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5251
 ccaggccaaa caattccatt ktcatggcca ctgggccaag g 41

<210> 5252
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5252
 cccttaacca atgaacgcca rtggcagatc cctcattctg a 41

<210> 5253
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5253
 tcagattctt tagtaacttt sttcacaaaa ttcttttgac a 41

<210> 5254
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5254
 tgaatgatgt ttttcaaagtg ygtattaaaa atgtcctctc t 41

<210> 5255
 <211> 41
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (21)..(21)

<223> g is present or absent.

<400> 5255

ctttcttaga atcctcttgg gcaaaacttc tgaggaaggc c

41

<210> 5256

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (21)..(21)

<223> g is present or absent.

<400> 5256

tggcagcaga aggggaagagg gataaaagtg gaggcacagg c

41

<210> 5257

<211> 41

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (21)..(21)

<223> c is present or absent.

<400> 5257

cctctgtcaa ggtaagtact cattattctt cccccaaagg c

41

<210> 5258

<211> 44

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (21)..(24)

<223> ctct is present or absent.

<400> 5258

cagcaggccc ctaactctct ctctgctgat ttccaccctt cctg

44

<210> 5259

<211> 41

<212> DNA

<213> Homo sapiens

<400> 5259
 atacataatt cattactttt rtttgctaga aatgatccaa g 41

<210> 5260
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5260
 cattactttt atttgctaga matgatccaa gtttctgact t 41

<210> 5261
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> a is present or absent.

<400> 5261
 atagaaaaat gctaaaaaaa agttttaaac aaaaataagg g 41

<210> 5262
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5262
 tggaagaggc ctttgaatcc ragcggaggt cacacactcg c 41

<210> 5263
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5263
 caagataatt ttaggaataa ytctgtcgac atgagttatc a 41

<210> 5264
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

<400> 5264
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<210> 5265

<211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5265
 aggcaaacaa aatagaaaaa wgtgtgaaaa acagtaaagt t 41

 <210> 5266
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5266
 aaacagtaaa gttgggagag ragcatctat tttcttaaag a 41

 <210> 5267
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5267
 agaatgtatg tcaagaattt wagataggcc tttcagtaac a 41

 <210> 5268
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5268
 tatggcatca tgcccctcac rgcctttgtg ctgggcaagg t 41

 <210> 5269
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5269
 cccagcacc actccagata sgccagcccc atctcagcca c 41

 <210> 5270
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5270
 gcagaaatca gcaagggtc rctcctggag acgcagcaca c 41

 <210> 5271
 <211> 57
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (35)..(37)

<223> t is present or absent.

<400> 5271
cacatcacct aacagcttgc tttttttttt tttttttgag aaataggcat gttaaaga 57

<210> 5272
<211> 41
<212> DNA
<213> Homo sapiens

<400> 5272
aaggacatat tattcaggct stgagtgtca taattttatt t 41

<210> 5273
<211> 41
<212> DNA
<213> Homo sapiens

<400> 5273
cctatggaga agcaactacc yggggccact tgtctcagca g 41

<210> 5274
<211> 41
<212> DNA
<213> Homo sapiens

<400> 5274
acacctggag actagcagag scagctttcc caccaggatc a 41

<210> 5275
<211> 41
<212> DNA
<213> Homo sapiens

<400> 5275
gcagaggcag ctttcccacc wggatcatat caaattatgt g 41

<210> 5276
<211> 55
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (33)..(35)
<223> t is present or absent.

<400> 5276
gcctcaatgg acggtaggta tttttttttt tttttaagaa agggtctcac tctgt 55

<210> 5277
<211> 53
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (31)..(33)
 <223> a is present or absent.

 <400> 5277
 taatataacc cagaataaag aaaaaaaaaa aaagattcct caactctagt tac 53

 <210> 5278
 <211> 66
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (46)..(47)
 <223> a is present or absent.

 <400> 5278
 tgcactttaa caccaatttt aaaaaaaaaa aaaaaaaaaa aaaaaaacag gacattcaaa 60
 cccact 66

 <210> 5279
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5279
 taaaaaaaaaa aaaaaaaaaa maaaaaaaca ggacattcaa a 41

 <210> 5280
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5280
 ccccgatgga aacactaaat maaagcaacg tatttctttg g 41

 <210> 5281
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5281
 accacggaca agaagaggta satcaattgg gggttggagg g 41

 <210> 5282
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5282
 caagacaata tagttttcgg rtatcagttt ggcaaagtgtg c 41

<210> 5283
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5283
 ctgccaggag cacgtcccg c yggcaggtcg caggagccct g 41

 <210> 5284
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5284
 cgagggccgg gaggcgcgaa rggtacgcgg cggcgggaag c 41

 <210> 5285
 <211> 41
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 <400> 5285
 aagggtacgc ggcggcggga wgcggggcga cccgaaggcc c 41

 <210> 5286
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5286
 cgaggttgcg atcctggccc rcccgcccggt ggggcactgt a 41

 <210> 5287
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5287
 tggagcggga cgggacccag mgggtgacgg caggggcggc a 41

 <210> 5288
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 <212> DNA
 <213> Homo sapiens

 <400> 5288
 ttttagcattt ccagcagatc yaatcccgag agctgttaga g 41

 <210> 5289
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 <400> 5289
 tcttatatgc tgggaagaag ygtcagtaag aaaaagcagc c 41

<210> 5290
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5290
 ttgggaagtg ccacagccac sgggcacagg gacagggctt t 41

 <210> 5291
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5291
 agtgccacag ccacggggca sagggacagg gtcttccaca g 41

 <210> 5292
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5292
 aaattcaciaa aatgtacttc yataagaagg ctcgttaaaa g 41

 <210> 5293
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5293
 ctaggcattt agaacttcta yaatctgccc ctagtgacaa g 41

 <210> 5294
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5294
 tggtcatttc aggctcttc rgcctatgat ttagatagt t 41

 <210> 5295
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5295
 catgacccat gtaggcggga raagcagccc tgtagcagca g 41

 <210> 5296
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5296
 aagaagagcc tgtgtttatt yagtgattgc aatgtgttgg g 41

<210> 5297
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5297
 aaacaccact tctgcatttg mgcttttctaa gatagcaatc c 41

 <210> 5298
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5298
 tttctaagat agcaatcctg ytgacacagg tacattaaga t 41

 <210> 5299
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> c is present or absent.

 <400> 5299
 agagcgggag tggccataac cagtcctaac tttgtttccc c 41

 <210> 5300
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5300
 atcctctctt ttactggaaa maataaagct acaaaagaac c 41

 <210> 5301
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5301
 gctactgttt tatgttttcc rgatggtaaa ttattagatg g 41

 <210> 5302
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5302
 agtttgcatt tgactatcac rctgcattcc tgtgagctgg c 41

 <210> 5303
 <211> 41

<212> DNA
 <213> Homo sapiens

 <400> 5303
 aggccactg agggaaactg rggaaaagag aggccttcta c 41

 <210> 5304
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5304
 tgttttcaga tcttagtagt rcatggaata ggaccgtttt c 41

 <210> 5305
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5305
 ttaaataatta gtggtaaaag raaacataga ctcaatctct t 41

 <210> 5306
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5306
 ttaaatagtt tagacatttt ygattttcta aagaaaactg c 41

 <210> 5307
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5307
 atccataagg tactcagtga ytggcctgta tgaagaactc a 41

 <210> 5308
 <211> 64
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (41)..(44)
 <223> t is present or absent.

 <400> 5308
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 tctg 64

 <210> 5309
 <211> 41

<212> DNA
 <213> Homo sapiens

 <400> 5309
 tgtgagccac tgcacctggc yaatttcctg actttctatg a 41

 <210> 5310
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5310
 tggagagatg gtgacacttg scccaatgtc tcaagtaagt a 41

 <210> 5311
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

 <400> 5311
 tttgttggtg gggttttttt tggttggtgt gttttgtttt g 41

 <210> 5312
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

 <400> 5312
 tcactgcagc ctccgcccc tgggttcaag caattatcct g 41

 <210> 5313
 <211> 40
 <212> DNA
 <213> Homo sapiens

 <400> 5313
 tcactgcagc ctccgcccc gggttcaagc aattatcctg 40

 <210> 5314
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>

<221> misc_feature
 <222> (21)..(21)
 <223> g is present or absent.

<400> 5314
 tatttttagt agagacgggg gtttcacat attggccagg c 41

<210> 5315
 <211> 40
 <212> DNA
 <213> Homo sapiens

<400> 5315
 tatttttagt agagacgggg tttcaccata ttggccaggc 40

<210> 5316
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5316
 gtgggaattc tagctaaggc ycgtgtggat ctgtctcagg t 41

<210> 5317
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5317
 gacctgagtt taattcatag mcattttctc ccagcaccta a 41

<210> 5318
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5318
 gaaaggttaa attattcttt ractgctga ggtgtacact a 41

<210> 5319
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5319
 tcacaaacac ttaggacata rtatgattta actagagtga t 41

<210> 5320
 <211> 63
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (39)..(43)

<223> t is present or absent.

<400> 5320
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ttg 63

<210> 5321
<211> 41
<212> DNA
<213> Homo sapiens

<400> 5321
ccacattggt catcttcctc rtcacacaaa tgatgttatt t 41

<210> 5322
<211> 41
<212> DNA
<213> Homo sapiens

<400> 5322
aaataaattt ctgttcttaa rcctaagtgt tcatgtatct c 41

<210> 5323
<211> 41
<212> DNA
<213> Homo sapiens

<400> 5323
tgcaaaatgt gtcttactag yttctagtgc ataaaatatt g 41

<210> 5324
<211> 41
<212> DNA
<213> Homo sapiens

<400> 5324
aaatattggt ggagctcttc rctgtgctgg gccagtcacc a 41

<210> 5325
<211> 41
<212> DNA
<213> Homo sapiens

<400> 5325
aatccagaga gggagataga ktggaagttc aagggtggac a 41

<210> 5326
<211> 41
<212> DNA
<213> Homo sapiens

<400> 5326
ttccaagaca gagcgagggg ygctgctggg gcgtggtttg c 41

<210> 5327
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5327
 aactcgatgc tttctcctcc ktctgggtcc taactgcagt g 41

 <210> 5328
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5328
 gaaatgtaac aggcaacact rtggacacag aaagtagatt a 41

 <210> 5329
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5329
 atttcacaaa tctgtttggg kgtaactgaa acacttggga a 41

 <210> 5330
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5330
 taccctcact tcaagactaa rattgaaggt atgtttgcaa a 41

 <210> 5331
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5331
 ctgtcaatac catgaagggg sggcgggggc actaaggggtg g 41

 <210> 5332
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5332
 agaggttcca taactgcccc rtcctcgcca aggggtgggcc c 41

 <210> 5333
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5333
 aagggtgggc ccggtgttcc yaccaggctc tccttcgggc g 41

<210> 5334
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5334
 gcagtgcctg aggcacgttg rcttgatcc tcctgtctgt a 41

 <210> 5335
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5335
 tgctggacca agctctggga yagccctgag cagaactccc c 41

 <210> 5336
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5336
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 <210> 5337
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5337
 ggtgcctggc tcccgggcgg mcctcagta cgctccccag t 41

 <210> 5338
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5338
 tggccctccc agaaaagaga rggccctcag tgaggggaga g 41

 <210> 5339
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5339
 aggtgcagac tcatgcactc rgccctgaag aggtgagaga g 41

 <210> 5340
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature

<222> (21)..(21)
 <223> c is present or absent.

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<210> 5341
 <211> 40
 <212> DNA
 <213> Homo sapiens

<400> 5341
 aaagtcactg gatatgcccc tcccccgccc cccaacacgg 40

<210> 5342
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5342
 aaagtcactg gatatgcccc ycccccgccc cccaacacgg t 41

<210> 5343
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5343
 aagtcactgg atatgcccct yccccgcccc ccaacacgg t c 41

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 <223> t is present or absent.

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<400> 5551
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 <223> g is present or absent.

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 <223> a is present or absent.

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<210> 5560
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<400> 5560
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<220>
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 <222> (30)..(31)
 <223> t is present or absent.

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<210> 5563

<211> 41
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 <400> 5563
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 <222> (21)..(21)
 <223> t is present or absent.

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 <223> t is present or absent.

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 <400> 5567
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 <210> 5568
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 <400> 5568

ccttccaaac ctttacttaa sattgtctgt tttggtcata a 41

<210> 5569
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<213> Homo sapiens

<400> 5569
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<210> 5570
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<213> Homo sapiens

<220>
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<222> (21)..(21)
<223> t is present or absent.

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<400> 5571
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<210> 5572
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<400> 5572
aactccagggt tgcaaataga ygtttctggt attttaagta g 41

<210> 5573
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<210> 5574
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<213> Homo sapiens

<400> 5574
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<210> 5575
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<213> Homo sapiens

<220>
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<222> (21)..(24)
<223> aaga is present or absent.

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44

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<400> 5576
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40

<210> 5577
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<212> DNA
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<400> 5577
ctgaaataga aaccttttcag wgtaccttgc agagcagtga a

41

<210> 5578
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<213> Homo sapiens

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41

<210> 5579
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<212> DNA
<213> Homo sapiens

<220>
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<222> (21)..(24)
<223> aaaa is present or absent.

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44

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<400> 5580
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<210> 5581
 <211> 41
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 <213> Homo sapiens

<400> 5581
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<210> 5582
 <211> 41
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<400> 5582
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<210> 5583
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<220>
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 <222> (30)..(31)
 <223> t is present or absent.

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<400> 5584
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<210> 5585
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<400> 5585
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<210> 5586
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 <212> DNA
 <213> Homo sapiens

<400> 5586
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<210> 5587
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 <400> 5587
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 <210> 5588
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 <210> 5589
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 <210> 5590
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 <210> 5591
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 <223> a is present or absent.

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 <210> 5594
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 <400> 5594
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 <210> 5595
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 <400> 5596
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 <210> 5599
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 <400> 5605
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 <210> 5608
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 <213> Homo sapiens

 <400> 5608
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 <400> 5611
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 <400> 5612
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 <210> 5613
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 <400> 5613
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 <213> Homo sapiens

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 <222> (32)..(33)
 <223> t is present or absent.

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<212> DNA
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 <400> 5627
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 <210> 5628
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 <400> 5628
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 <210> 5629
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 <213> Homo sapiens

 <400> 5629
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 <210> 5630
 <211> 44
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(24)
 <223> acta is present or absent.

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 <210> 5631
 <211> 40
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 <400> 5631
 catgatttat tctctaacta tgctaagtca aagattctgc 40

 <210> 5632
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5632
 acaatgaaaa ttaagaaagg wgaagagggga agaagcagag a 41

 <210> 5633
 <211> 41
 <212> DNA

<213> Homo sapiens
 <400> 5633
 tacaagacac aggcaccttt ractagttta ctgggatctc t 41

 <210> 5634
 <211> 41
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 <400> 5634
 ggctttgact tcggaaacct ktgggttata acaaagtact g 41

 <210> 5635
 <211> 41
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 <400> 5635
 gacattgggtg aaaaccaggg ytgtttagga gtgtcctgtc c 41

 <210> 5636
 <211> 43
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> gtg is present or absent.

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 <210> 5637
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5637
 gatacatgaa caatttggtt yatcctcatg atatctttca a 41

 <210> 5638
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5638
 taaaggccac aatgcagtga ytgaaatctc cagttacatt t 41

 <210> 5639
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5639
 tttccttagt ccttccatca ygaaactaaa gctgtcttcc a 41

<210> 5640
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5640
 tttatatctc cacttttgat rggacactag caaaagatat t 41

<210> 5641
 <211> 52
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (32)..(32)
 <223> t is present or absent.

<400> 5641
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<210> 5642
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5642
 ttttttttcc ctccacttgt ygccaggcag agctgctttc c 41

<210> 5643
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5643
 cagattgctt gaatttcagc mccagcttgg aatttgcaga g 41

<210> 5644
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5644
 gatttctgtg aaaattgaga rgatctggca acctggggct c 41

<210> 5645
 <211> 41
 <212> DNA
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<400> 5645
 ggccctccc caggcaaagc rgtgagaaca tggctgtttc c 41

<210> 5646
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5646
 tggagcgggc caagaggcgc rtagtgggga gtccctttga c 41

 <210> 5647
 <211> 41
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 aaccagtctg gacagatccc ytgtagcttg tgaaagtgta g 41

 <210> 5648
 <211> 41
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 <400> 5648
 tagcttgtga aagtgtagga rgtgaagggc tggctcactt c 41

 <210> 5649
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 <213> Homo sapiens

 <400> 5649
 tctgaaggcc tcgtgtactt yagtggggtg gggagggcca c 41

 <210> 5650
 <211> 41
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 <400> 5650
 aatttttgcc tctttttact rtcaatacaa cttgctaagt t 41

 <210> 5651
 <211> 43
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(23)
 <223> tta is present or absent.

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 <210> 5652

<211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5652
 ctaaattgtgg gtcactggga ygttaaccag gagagagaat c 41

 <210> 5653
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5653
 ctttacatct gtgcaagaga rggacaagga gcaaatcagc c 41

 <210> 5654
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5654
 gtaaacttgc attgaaatgt rgaaagcagg taaaggaatg a 41

 <210> 5655
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5655
 tggggaatac caaaagcaac yaaagttcac cagaaaagg g 41

 <210> 5656
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5656
 aaacttctaa aagaaatacc rtgccagtca gattatgtgc t 41

 <210> 5657
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5657
 catacattca acaaacattt ygtggagcac atgctactat a 41

 <210> 5658
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5658
 gatagggaag atcactgtga rctggaaaaa tctgggaaac c 41

<210> 5659
 <211> 41
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 <400> 5659
 catcttgct agattgcatg yttgtttgtt tgtttgctc t 41

 <210> 5660
 <211> 41
 <212> DNA
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 <400> 5660
 ctacttacct ccaaaacatg wtttctcttt cttaaagac c 41

 <210> 5661
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5661
 ccagagtgc tccagtatac mtcactgcc aggaccaca g 41

 <210> 5662
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5662
 cacttgaaag caaccataat ygtgaggtt ctgatgctg a 41

 <210> 5663
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5663
 ttgctttaag cgaaatgaac yatacggaca ggagaacagc c 41

 <210> 5664
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5664
 acaggaacac ttagacatgc racccactcc caccctccgt c 41

 <210> 5665
 <211> 41
 <212> DNA
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 <220>
 <221> misc_feature

<222> (21)..(21)
 <223> g is present or absent.

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<210> 5666
 <211> 40
 <212> DNA
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<400> 5666
 cccaccctcc gtcttggggg aggaaagcac actactgtcc 40

<210> 5667
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> a is present or absent.

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<210> 5668
 <211> 40
 <212> DNA
 <213> Homo sapiens

<400> 5668
 actgtcccaa agaactaata ctgaaccagt gctgccttgt 40

<210> 5669
 <211> 43
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(23)
 <223> cct is present or absent.

<400> 5669
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<210> 5670
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5670
 catcccagga cttgctgttc scaggtgata aactgcacct c 41

<210> 5671
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5671
 aactgcacct ccccaggact mccgctgcac tcacatgcag c 41

 <210> 5672
 <211> 41
 <212> DNA
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 <400> 5672
 tttgggccgg gaacaatttt ycaaggttgt aaagccaaat t 41

 <210> 5673
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 <400> 5673
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 <210> 5674
 <211> 41
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 <400> 5674
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 <210> 5675
 <211> 41
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 <213> Homo sapiens

 <400> 5675
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 <210> 5676
 <211> 41
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 <400> 5676
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 <210> 5677
 <211> 41
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 <400> 5677
 cagtgttagc cagccgatat yggtaaggc tgccccgctc g 41

<210> 5678
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 <210> 5679
 <211> 41
 <212> DNA
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 <400> 5679
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 <210> 5680
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 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(23)
 <223> gga is present or absent.

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 <210> 5681
 <211> 40
 <212> DNA
 <213> Homo sapiens

 <400> 5681
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 <210> 5682
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5682
 gcacagcttt tgtcaggagt ycgtagcctcc ggtctttggt c 41

 <210> 5683
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5683
 gccttaactt tccccacctt kggtttctct tgatttttgc t 41

 <210> 5684

<211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5684
 gtacaggatt tcaaaatact rtatatagaa accagacagt a 41

 <210> 5685
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5685
 cctgttgctc tgggtgggtgc rcaacctttg ccagttaaag g 41

 <210> 5686
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5686
 agaggataga agtcccttct ratttagagg gcctctttct t 41

 <210> 5687
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5687
 tgaaaacata ttctttttga rtttagctga gtggcctgtt g 41

 <210> 5688
 <211> 41
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 <213> Homo sapiens

 <400> 5688
 cctgagacac cttacagctc ygtcctgctt ccatgtcatt c 41

 <210> 5689
 <211> 41
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 <400> 5689
 tttcatcttt ctacaaatgg sccctcttct ctggctgcac t 41

 <210> 5690
 <211> 54
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 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (33)..(34)

<223> t is present or absent.

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<210> 5691
<211> 41
<212> DNA
<213> Homo sapiens

<400> 5691
ccaaaagccc tctcttttaa yatgacatta ataagacaat t 41

<210> 5692
<211> 41
<212> DNA
<213> Homo sapiens

<400> 5692
caagatggat aagacgtcac ytaaggctct tagcatgttg a 41

<210> 5693
<211> 41
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<213> Homo sapiens

<400> 5693
ctctaagtaa ttcaattatg katgaccaa ggataaggaa a 41

<210> 5694
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<213> Homo sapiens

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<213> Homo sapiens

<220>
<221> misc_feature
<222> (37)..(37)
<223> t is present or absent.

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<212> DNA
<213> Homo sapiens

<400> 5696
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<210> 5697
 <211> 41
 <212> DNA
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<400> 5697
 actcggtaga gtcactcctg mctgggtgtcc cacatccact c 41

<210> 5698
 <211> 41
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 <213> Homo sapiens

<400> 5698
 accatgggggt atgggaaaaa mgatcacgggt cctgggttttg t 41

<210> 5699
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5699
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<210> 5700
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 <212> DNA
 <213> Homo sapiens

<400> 5700
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<210> 5701
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5701
 ccacatgttc cccgggtgag rgtagctccc tcccagggt a 41

<210> 5702
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 <213> Homo sapiens

<400> 5702
 gccagaagta gatgccccca rttcagctgc tgcattactg g 41

<210> 5703
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 <212> DNA
 <213> Homo sapiens

<400> 5703
 caagtcactg ggccgttagc stccgtgcct gcaccttgaa g 41

<210> 5704
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 <212> DNA
 <213> Homo sapiens

<400> 5704
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<210> 5705
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5705
 agagccccc ctgactgttt scctaaggca ccattcccaa c 41

<210> 5706
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5706
 ccactccctc tccaaatggc rctgcccaatt cttcttctaa g 41

<210> 5707
 <211> 41
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 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> g is present or absent.

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<210> 5708
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 <213> Homo sapiens

<400> 5708
 tagagaatth tcaggggggg tcaaccaaga gggagccaaa 40

<210> 5709
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 <212> DNA
 <213> Homo sapiens

<400> 5709
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<210> 5710
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 <213> Homo sapiens

 <400> 5710
 ggggcgtggtt atttgacacc ygtgagcttt tcctttgaca g 41

 <210> 5711
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 <400> 5711
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 <210> 5712
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 <213> Homo sapiens

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 <210> 5713
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 <210> 5714
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 <210> 5715
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 <400> 5715
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 <210> 5716
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 <400> 5716
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<210> 5717
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 <210> 5718
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 <212> DNA
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 <400> 5718
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 <210> 5719
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 <400> 5719
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 <210> 5720
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 <400> 5720
 ccagacggag agagcctggg rcaggagaat gtatctccag g 41

 <210> 5721
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 <400> 5721
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 <210> 5722
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 <400> 5722
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 <210> 5723
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 <400> 5723
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<210> 5724
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 <210> 5725
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<400> 5889
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 <223> tc is present or absent.

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<400> 5891
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<210> 5901
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<210> 5908
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 <210> 5913
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 <400> 5914
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 <210> 5915
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 <210> 5916
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 <223> a is present or absent.

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 <400> 5918
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 <210> 5919
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 <400> 5919
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 <210> 5920
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 <400> 5920
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 <223> t is present or absent.

 <400> 5980
 gtacaaaaaa aatttttttt taattagctg agcatgatca t 41

 <210> 5981
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

 <400> 5981

gttttggttg tttttttttt taaacttggt tttgtacatt t 41

<210> 5982
<211> 41
<212> DNA
<213> Homo sapiens

<400> 5982
cggagacatt atccacaccc yggcaaagga caggcgggcc c 41

<210> 5983
<211> 41
<212> DNA
<213> Homo sapiens

<400> 5983
gtggtggcag tgagtggaat katgcatttc taatgcctgc a 41

<210> 5984
<211> 41
<212> DNA
<213> Homo sapiens

<400> 5984
atcacccgga aggtgggggc ygccctggca gccggctgta c 41

<210> 5985
<211> 41
<212> DNA
<213> Homo sapiens

<400> 5985
atcgtgctta taaatcagtt ytgctaggta taaaatcctt g 41

<210> 5986
<211> 53
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (32)..(33)
<223> t is present or absent.

<400> 5986
tataaaatcc ttggctcaca tttttttttt tttacttgat tatcttaaata gta 53

<210> 5987
<211> 41
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (21)..(21)
 <223> t is present or absent.

<400> 5987
 tataagtcaa cttttttttt tacctagata cacaaaagtg t 41

<210> 5988
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5988
 tttggttttt ttcccccttt rtcttttaaag accaataatg t 41

<210> 5989
 <211> 58
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (37)..(38)
 <223> t is present or absent.

<400> 5989
 atctatttat ttctcttttc tttttttttt ttttttttca gtttggtaaa ttgttggc 58

<210> 5990
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 5990
 ttcagtttgg taaattgttg scacatgttt gctgtttctc t 41

<210> 5991
 <211> 44
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(24)
 <223> ctta present or absent.

<400> 5991
 tttgaataga taaacactta cttatatggt tgaaaaatta agac 44

<210> 5992
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (21)..(21)
 <223> c is present or absent.

 <400> 5992
 accatgacaa gtctcaccct caccccaacc ctgactcact c 41

 <210> 5993
 <211> 40
 <212> DNA
 <213> Homo sapiens

 <400> 5993
 accatgacaa gtctcaccct accccaaccc tgactcactc 40

 <210> 5994
 <211> 52
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (31)..(32)
 <223> a is present or absent.

 <400> 5994
 aaaaaatgat gttaaaaggc aaaaaaaaaa aatgaaaaca aaaaagtcac tt 52

 <210> 5995
 <211> 42
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(22)
 <223> gt is present or absent.

 <400> 5995
 cagtccttgt gtgtgtgtgt gtcccccaaa cacactgctg ga 42

 <210> 5996
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> a is present or absent.

 <400> 5996
 tttttgaaaa agaaaaaaaa atggaactag ttatagtttt c 41

<210> 5997
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5997
 gatcacctgg aactcacagg ygtggttagga gacgtgcagc c 41

 <210> 5998
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5998
 cagtgagtgc cttggggaag ragccagcat gtgaaatgat g 41

 <210> 5999
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 5999
 gtccatggtg tgcgcttata raatgtttgc taagctgaac t 41

 <210> 6000
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6000
 ctctaaagca gaaccaagag saaaagcatg ggagtatacc a 41

 <210> 6001
 <211> 44
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(24)
 <223> aatt is present or absent.

 <400> 6001
 ggagtatacc aaaacaactt aattgttact tgaaatgact tgca 44

 <210> 6002
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6002
 tgccattgct cccttccccccc wccctacttc actatccgtg g 41

 <210> 6003
 <211> 41

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)..(21)
<223> t is present or absent.

<400> 6003
gttcccaccc caaaatcagc ttttctagtg ctacacaccc t 41

<210> 6004
<211> 41
<212> DNA
<213> Homo sapiens

<400> 6004
atattttcttg ctgcgaccc ytgtctgttc tagtatcttt t 41

<210> 6005
<211> 41
<212> DNA
<213> Homo sapiens

<400> 6005
gagtcattga gaaccttaag raagtatttt gtccttttcc a 41

<210> 6006
<211> 41
<212> DNA
<213> Homo sapiens

<400> 6006
agtcttgcca tctctttcta ygtaggcac tgacataggc t 41

<210> 6007
<211> 41
<212> DNA
<213> Homo sapiens

<400> 6007
caggagagga aggagttcct kataaaggat atagcaagta g 41

<210> 6008
<211> 41
<212> DNA
<213> Homo sapiens

<400> 6008
gcaacaatgc taatgggtgt ytcttaggaa atgaagaaaa g 41

<210> 6009
<211> 41
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> g is present or absent.

 <400> 6009
 gtttggttgt ttgtttgttt gtttttttca gccaaactgta a 41

 <210> 6010
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6010
 gactctctcc cttgtactgc rtctcctcca gtcttattct t 41

 <210> 6011
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6011
 aaagaggaac attcttgcac yaatttctat ttgtgtgtct t 41

 <210> 6012
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6012
 ggcaagtcag tgtaccctgc rccccttcat tggcctgaac c 41

 <210> 6013
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6013
 tcccgggttc aagcgattct mctgcctcag cctcccgagt a 41

 <210> 6014
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6014
 gcctcctgag cagcttggac yacaggtgcg ggccaccacc t 41

 <210> 6015
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6015
 gatataaaaa tataaacata yagacatatt tgggaggcaa a 41

<210> 6016
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6016
 aatataaaca tacagacata kttgggaggc aaaggagtga a 41

 <210> 6017
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6017
 ttttgtcttt tcctttaaga mattttctta aagatattca g 41

 <210> 6018
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6018
 cctgcaaagt tttcttttagc ycctctttta tcccacaata c 41

 <210> 6019
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6019
 cgtgttggtc aggctggtct ygaactcctg acctcaggtg a 41

 <210> 6020
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6020
 caggctggtc tcgaactcct sacctcaggt gatccgcctg c 41

 <210> 6021
 <211> 42
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(22)
 <223> at is present or absent.

 <400> 6021
 gctgaacatt gttaatatat attcattagc caattgtggt cc 42

 <210> 6022

<211> 40
 <212> DNA
 <213> Homo sapiens

 <400> 6022
 gctgaacatt gttaatatat tcattagcca attgtgttcc 40

 <210> 6023
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6023
 gggatctgaa gcccttgcta yatgtgtcac acatgttttt g 41

 <210> 6024
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6024
 gcacatctag gaagatgtga rcagccactg tggccccggt t 41

 <210> 6025
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6025
 atgctctctg agagcgtcag ktgccctccc acattcactg a 41

 <210> 6026
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6026
 gcattggttg aaatggagcg ygtttctttg tttctatggt a 41

 <210> 6027
 <211> 65
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(25)
 <223> caaaa is present or absent.

 <400> 6027
 gtgagaatcc atctaataaaa caaaacaaaa caaaacaaaa caaaaatgag gtgtgtggag 60
 acctg 65

 <210> 6028

<211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6028
 cactacacgg tgcgggcccc kgtgggagtc ggtgagtgct g 41

 <210> 6029
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6029
 aggtcttttt gctatgtcac yccacggcca gggcaggagt g 41

 <210> 6030
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6030
 ctttttgcta tgtcacccca yggccagggc aggagtgctg g 41

 <210> 6031
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6031
 tctctctga gaccaagaac rtctggatag atgatgagtt a 41

 <210> 6032
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6032
 agtcctgggc atttaaagac mcttgacaga taaacttcct t 41

 <210> 6033
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6033
 ttttcagat gcaagagact sccttggtct ctctccttct g 41

 <210> 6034
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6034
 ttcttcttct tcttcttctt ytttcttttt taacatgtac t 41

<210> 6035
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6035
 tgagtgtgaa ttctaacttt wctgtttatt agctctatga a 41

 <210> 6036
 <211> 50
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (30)..(30)
 <223> a is present or absent.

 <400> 6036
 tacagtgaga ctttgtcttt aaaaaaaaaa tgctgcaaaa ccaaaaataa 50

 <210> 6037
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6037
 ctcagctgag tccccttgac yttaatcact ttagtgaaga a 41

 <210> 6038
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6038
 actgtgtggg gtatggcggg rtggtgggga gaatgtggtg t 41

 <210> 6039
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6039
 cgcggatttc ccggccagcc scggtttcct gtgttctgca g 41

 <210> 6040
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6040
 tgcagcgttg acttgagcac ragacagtga cagtggagag t 41

 <210> 6041
 <211> 41

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> a is present or absent.

<400> 6041
 gaatTTTTga gaaaaaaaaa atgttccttt agggttgcct t 41

<210> 6042
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6042
 tcaggaacag gaagtaaaga rgtttacatt tctaaatttc t 41

<210> 6043
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6043
 atcaaaaaaca cttgtctgat katcgtgctc tgaacctgcc t 41

<210> 6044
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6044
 atgacgctga gtttgggtgct rttcttttgt ttttcttgcc t 41

<210> 6045
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6045
 gggagaagtg agggacctac ycttggttc taatctttca t 41

<210> 6046
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6046
 ttgtcagaga catctttgat ratccttacg tactatatca g 41

<210> 6047
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

<400> 6047
 ttagtagata actttttttt tgtaaggatg gagaataata g 41

<210> 6048
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6048
 catattcaat tcttttatgt ycttttagacc aaagaaaggc a 41

<210> 6049
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6049
 taaaccttta agctcatcat yggaccatct attgaatttc t 41

<210> 6050
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6050
 atttaaagtg aaagctatatt ytagtttttaa aaattgagca g 41

<210> 6051
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

<400> 6051
 ctatttagca aacttttttt tgacagtgta taaagttttc a 41

<210> 6052
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> g is present or absent.

<400> 6052
 gttttcaaca attgatattg gaaggttggt agggcctagg a 41

<210> 6053
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6053
 ccctcaagga gcttatagtt waggttgtag acaatcatgt c 41

<210> 6054
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6054
 tagaaaaaat tgtaatgtta raaagcatta ctgttaggac a 41

<210> 6055
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6055
 agttcaagat gattttgtag sttcagggcc tagttgactt a 41

<210> 6056
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6056
 atgattttgt aggttcaggg yctagttgac ttagcatgca a 41

<210> 6057
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6057
 agaaaagtgt cacaaatagt mcaaagaatt cccatgtacc t 41

<210> 6058
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6058
 attaaaatct gctttaaata yttttttggg ggagaggaca c 41

<210> 6059
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6059
 ccgatcttca aaaaattagc ygggggtggt ggtgcacact g 41

<210> 6060
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

<400> 6060
 aaagttcaca tttttttttt tataacttca tggccaagag c 41

<210> 6061
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

<400> 6061
 taatgcacac attttttttt tcttcatagg gacatccaac g 41

<210> 6062
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> a is present or absent.

<400> 6062
 aaaacaaaaa acaaaaaaaaa accttggtcc tttataggtt c 41

<210> 6063
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6063
 atcatgtgtg gaactggaat ygggtgttat tcaagcaaaa a 41

<210> 6064
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6064
 acatttgcgg taaagcgata rtttattcca agctaatacat g 41

<210> 6065
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6065
 aatggasgct acatggctat rgctgaatga gcatgacctt t 41

<210> 6066
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6066
 tacaacttgg aggatgcatt kaggctgcag aatatatggt t 41

<210> 6067
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6067
 gtctagcaga aaatgaaaag rtggaaggat gagaaaaatt a 41

<210> 6068
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6068
 ctatttttta aagcgtgcat ycttacataa gacttaaata t 41

<210> 6069
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6069
 aaggcaatga gagacgaaag kgcttgcaca aggtcaccgc g 41

<210> 6070
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6070
 atgtattgta cccttcaacc rttatgtacc gagtatctac t 41

<210> 6071
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6071
 acaattgaca aggcaagatt ytgaaaacaa atcaaaaata a 41

<210> 6072
 <211> 43
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(23)
 <223> gaa is present or absent.

<400> 6072
 actgcataga aatttaagaa gaacttgttt tattcctctc cag 43

<210> 6073
 <211> 42
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(22)
 <223> ag is present or absent.

<400> 6073
 gttaatgctt tcccactctc aggggaagga tttgcatttt ga 42

<210> 6074
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6074
 tgagagaaga gaagcaggaa sttgagagag gaggaagaga g 41

<210> 6075
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6075
 tatgcattct tctatattat rcaagacaaa aatttttagga t 41

<210> 6076
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6076
 acactcaggg aacatgcctt rgttcaccat cacaagatta g 41

<210> 6077

<211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6077
 ctgcttgaaa aatgagtaag yttctgatgc tttctttgca c 41

 <210> 6078
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6078
 agcaccttct cccagtacac rgtggtggat gagaatgcag t 41

 <210> 6079
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6079
 ttcgtttgaa gtcatcggtc rgcttgacac catggtatga t 41

 <210> 6080
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6080
 acagccagag acccagaacc rtcagggctg gttgatggac t 41

 <210> 6081
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6081
 catcaggtgg gacaaaaaga rtagctcctt agcagtgact a 41

 <210> 6082
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6082
 actcaagcat atgtgcaacc ragtacatga aaagaatttg t 41

 <210> 6083
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6083
 ggtaagttaa atgggcgatt stgaggagta gaaatttcct t 41

<210> 6084
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6084
 ttcaataaaa gaaaaaagaa wtaaaaaat cttggagctc a 41

 <210> 6085
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6085
 ttatatattga aattaaaaat rtaatttgag gctagaaaaa a 41

 <210> 6086
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6086
 tcaaagaggg atctcacaat yggacatctc aacctgctta t 41

 <210> 6087
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6087
 tttacgcaca caattactca ytaataaaaa atttaaaaaa t 41

 <210> 6088
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6088
 actgagactc tggagcaata yattaagaat catactgaac a 41

 <210> 6089
 <211> 51
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (30)..(31)
 <223> t is present or absent.

 <400> 6089
 ggtaaacttt aatacacctg tttttttttt tcaagaaata aaaaatgtaa t 51

 <210> 6090
 <211> 41

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> a is present or absent.

<400> 6090
 tccagtcaaa gtcgacctaa atttcagga gttgttcttc c 41

<210> 6091
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

<400> 6091
 ttggtggtca gttttttttt tcttcatagc tttaaattct t 41

<210> 6092
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6092
 taactgctgt aaagttacac rrggaagccc tttcccgaca a 41

<210> 6093
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6093
 aactgctgta aagttacacr rggaagccct ttcccgacaa a 41

<210> 6094
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6094
 tgaaactgga cttgaaagta maaatgagac aaaaatttat g 41

<210> 6095
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6095
 taacccttat actgtattgc rtcactttct aacaggcagc t 41

<210> 6096
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6096
 gtctgtgtgg ttgttggggg rttgcctgcc agtgttcaac t 41

 <210> 6097
 <211> 41
 <212> DNA
 <213> Homo sapiens

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 <210> 6172
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 <223> tat is present or absent.

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43

<210> 6174
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 <223> ac is present or absent.

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 <222> (51)..(52)
 <223> ac is present or absent.

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 <221> misc_feature
 <222> (53)..(54)
 <223> ac is present or absent.

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74

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 <222> (37)..(47)
 <223> a is present or absent.

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60

cagagaa

67

<210> 6176
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<212> DNA
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<220>
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<222> (21)..(21)
<223> t is present or absent.

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<220>
<221> misc_feature
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<223> a is present or absent.

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<223> gt is present or absent.

<220>
<221> misc_feature
<222> (41)..(42)
<223> gt is present or absent.

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tc 62

<210> 6179
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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)..(22)
<223> aa is present or absent.

<400> 6179

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<220>
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<222> (21)..(21)
<223> t is present or absent.

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<210> 6181
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<223> ac is present or absent.

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<222> (39)..(40)
<223> ac is present or absent.

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<221> misc_feature
<222> (41)..(42)
<223> ac is present or absent.

<220>
<221> misc_feature
<222> (43)..(44)
<223> ac is present or absent.

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actc 64

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<220>
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<223> a is present or absent.

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<400> 6183
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<210> 6184
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<400> 6184
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<210> 6185
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<210> 6186
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<210> 6187
<211> 41
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<213> Homo sapiens

<400> 6187
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<210> 6188
<211> 41
<212> DNA
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<400> 6188
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<210> 6189
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<400> 6189
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<210> 6190
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<400> 6190
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<210> 6191
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<210> 6192
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<400> 6192
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<210> 6193
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<400> 6193
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<210> 6194
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<400> 6194
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<210> 6195
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<210> 6197
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<210> 6198
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<210> 6199
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<400> 6199
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<210> 6200
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<400> 6200
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<210> 6201
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 <212> DNA
 <213> Homo sapiens

<400> 6201
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<210> 6202
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 <213> Homo sapiens

<220>
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 <222> (32)..(35)
 <223> a is present or absent.

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 <212> DNA
 <213> Homo sapiens

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 <223> a is present or absent.

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 <400> 6206
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 <223> gt is present or absent.

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 <400> 6209
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 <210> 6211
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 <400> 6211
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 <210> 6212
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6212
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 <210> 6213
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 <400> 6213
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 <210> 6214
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 <210> 6216
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 <400> 6218
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<220>
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 <223> n i s c o r t .

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 <223> n i s c o r t .

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 <223> n i s c o r t .

<220>
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 <223> n i s c o r t .

<220>
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 <222> (80)..(80)
 <223> n i s c o r t .

<220>
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 <222> (85)..(85)
 <223> n i s c o r t .

<220>
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 <222> (90)..(90)
 <223> n i s c o r t .

<220>
 <221> misc_feature
 <222> (95)..(95)
 <223> n i s c o r t .

<220>
 <221> misc_feature
 <222> (100)..(100)
 <223> n i s c o r t .

<400> 6725
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<220>
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 <222> (21)..(21)
 <223> t is present or absent.

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 <210> 6727
 <211> 40
 <212> DNA
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 <400> 6727
 ctccctcaggc cccgcccctt ccattactca cttgggtccc 40

 <210> 6728
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (21)..(21)
 <223> c is present or absent.

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 <210> 6729
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 <213> Homo sapiens

 <400> 6729
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 <210> 6730
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 <212> DNA
 <213> Homo sapiens

 <400> 6730
 aataaaagta catggcatat mtttgatggg aacagacttg t 41

 <210> 6731
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 <400> 6731
 aactccatgt gtataaagca rcaccacaga tgacacttcc a 41

 <210> 6732
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<212> DNA
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 <400> 6732
 ggatttgcc atcccttgat yggcaatgac cttttacttt t 41

 <210> 6733
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 <400> 6733
 ggatttgcc atcccttgat sggcaatgac cttttacttt t 41

 <210> 6734
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 <212> DNA
 <213> Homo sapiens

 <400> 6734
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 <210> 6735
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 <400> 6735
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 <210> 6736
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 <213> Homo sapiens

 <400> 6736
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 <210> 6737
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6737
 cacagcctca tgggtcagcc yactccagag ggtgcattcc c 41

 <210> 6738
 <211> 41
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 <400> 6738
 ggaagcaggg gccctggcca yagccgctgg cagtaagcag g 41

 <210> 6739

<211> 44
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (21)..(24)
 <223> acac is present or absent.

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<210> 6740
 <211> 40
 <212> DNA
 <213> Homo sapiens

<400> 6740
 tatagtctac aaagaatgaa aaagatcata acaatagcta 40

<210> 6741
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6741
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<210> 6742
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6742
 agggccccag cctggagtgg stgaagaaac tgtgagcacc t 41

<210> 6743
 <211> 41
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<400> 6743
 tccttacctg cactggcacc rgetctggag cccagtccc t 41

<210> 6744
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6744
 agactctagc atggtacctg saacataagg ttccttagaa a 41

<210> 6745
 <211> 41
 <212> DNA

<213> Homo sapiens
 <400> 6745
 ggcatattgc tagttttctc kgtctcaatt tcatcatcta t 41

 <210> 6746
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6746
 acaaattttg aactgttcac ytaacacagg ctttttctga a 41

 <210> 6747
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 <212> DNA
 <213> Homo sapiens

 <400> 6747
 aggtatctaa aaggatttgc matttggtca ttggttcttt c 41

 <210> 6748
 <211> 56
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (21)..(36)
 <223> gatttgtggtatccag is present or absent.

 <400> 6748
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 <210> 6749
 <211> 40
 <212> DNA
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 <400> 6749
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 <210> 6750
 <211> 42
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(22)
 <223> ag is present or absent.

 <400> 6750
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<210> 6751
 <211> 42
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(22)
 <223> ta is present or absent.

 <400> 6751
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 <210> 6752
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6752
 tttataat tttatatgtta ygtgctttct tttgtatagc t 41

 <210> 6753
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6753
 actaccaagg agcgcgccgg rcagccggat agcaggacgc t 41

 <210> 6754
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6754
 ggggagcggc gtccgccaag ytactttctac cgccagcacc t 41

 <210> 6755
 <211> 41
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 <400> 6755
 attcagcagt ttgaaaacat ratgtttgcc tggcagaata c 41

 <210> 6756
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6756
 agttaaagaa tctgaaaagt stcagaaatg atttaccctg a 41

 <210> 6757
 <211> 41

<212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

<400> 6757
 ctgtaaaatg gggatgctga tggtagctac ctgacctatg a 41

<210> 6758
 <211> 40
 <212> DNA
 <213> Homo sapiens

<400> 6758
 ctgtaaaatg gggatgctga ggtacctacc tgacctatga 40

<210> 6759
 <211> 68
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (45)..(46)
 <223> gt is present or absent.

<220>
 <221> misc_feature
 <222> (47)..(48)
 <223> gt is present or absent.

<400> 6759
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 cattcaaa 68

<210> 6760
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6760
 accaaccaaa ggtctatcaa rggggtgtcc tctttgcacc c 41

<210> 6761
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6761
 aaaggaacc atcagaacct ygtgatgaaa tgagaatcgg c 41

<210> 6762
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6762
 gctcccggat tccggtggc rggggttagg gcagggtaga g 41

 <210> 6763
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6763
 agaggagtca cgtgcttcgg rgagagcctt tataggacgt t 41

 <210> 6764
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6764
 tcacctccct cctaagccgg racccttcgc tctccccgaa t 41

 <210> 6765
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6765
 ctccttgga acccccagct mgtsaccct tcagcccggg a 41

 <210> 6766
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6766
 cctgggaacc cccagctmgt sacccttca gcccgggacc c 41

 <210> 6767
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6767
 tccttttagac ccctgaaacg sagggctgac atcctgccac c 41

 <210> 6768
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6768
 gccgccggga atctgtgcc scttccatca tcatgtcgtc g 41

<210> 6769
<211> 41
<212> DNA
<213> Homo sapiens

<400> 6769
gcctccaccc ctggggcgcc kcctccatca cccaccctc c 41

<210> 6770
<211> 41
<212> DNA
<213> Homo sapiens

<400> 6770
gggccttggtg tacgctggag rccaaaagtg ggaagggagg a 41

<210> 6771
<211> 48
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)..(28)
<223> cagaggct is present or absent.

<400> 6771
agggtccagg gtcccctgct cagaggctaa cactggccga agagaaag 48

<210> 6772
<211> 42
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)..(22)
<223> ct is present or absent.

<400> 6772
agccctgata caccactct ctgaaacttc ttgctaata aa 42

<210> 6773
<211> 42
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)..(22)
<223> ag is present or absent.

<400> 6773
cattttgtga ctgaggtgac aggggcccac agcggggcca tg 42

<210> 6774
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6774
 tttgtgttct ctattctgac ycgcatgagg taaagctgag a 41

 <210> 6775
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6775
 caaacctaga caaagtgtgc yctttatcca gaagtgagca g 41

 <210> 6776
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6776
 ttcaggagat aaaaagctct rattgctcag gcctgagatg g 41

 <210> 6777
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6777
 gaagttgtct tgtaagtgag rtaagaatat gtactcacat a 41

 <210> 6778
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6778
 tcattgtttt gcaaagagat kcccctaacc cagctttctt t 41

 <210> 6779
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6779
 gaggagacac caggaggcgc rttgatgggtt acagattcct c 41

 <210> 6780
 <211> 41
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 <213> Homo sapiens

 <400> 6780
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<210> 6781
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6781
 gtcatacaag gggagcctcc rggatagaag tgcagaaact t 41

 <210> 6782
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6782
 attctttttt cactactagg ytgtttcctc cacatctgac t 41

 <210> 6783
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6783
 aaagaaaaag cactgtgtga wtgccatgg ccgcttctgc a 41

 <210> 6784
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6784
 gattctctaa tgaaaaataa kacttttttt tgcatttttt t 41

 <210> 6785
 <211> 45
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(25)
 <223> gtaaa is present or absent.

 <400> 6785
 tcattgtgca tgatacttaa gtaaaaaaaaa actaagctgt gtaat 45

 <210> 6786
 <211> 45
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(25)
 <223> aaaaa is present or absent.

<400> 6786
 tgcattgatac ttaagtaaaa aaaaactaag ctgtgtaatt gtagg 45

<210> 6787
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> a is present or absent.

<400> 6787
 tcatttttggga aagactctca accttgctgt accaaaaatg g 41

<210> 6788
 <211> 40
 <212> DNA
 <213> Homo sapiens

<400> 6788
 tcatttttggga aagactctca ccttgctgta ccaaaaaatgg 40

<210> 6789
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 <212> DNA
 <213> Homo sapiens

<400> 6789
 gatggctctt tgtagaaciaa kgcagattct caaaggtgac c 41

<210> 6790
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6790
 accacagtta aagaaaaaat yacaagccat tgcgctagag a 41

<210> 6791
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6791
 cacaccctat tttggtttct sttctccact tttcccctcg t 41

<210> 6792
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6792
 ttcccctcgt tcttgcccc ycttttctct ctctgggcc c 41

<210> 6793
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6793
 attcatatga gcacaatgga ratgataata ttacaatacc a 41

 <210> 6794
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6794
 ggcttgatgt tcagcctgag rcaagaatta ggagtgttta g 41

 <210> 6795
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6795
 aatgtatcca aaagagattc kcattcctgc catatgaaga a 41

 <210> 6796
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6796
 gacaaatata aattactaag rtcattttta ggagtgatag g 41

 <210> 6797
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6797
 aatttcttcc cagaatggac yaaaggcatc ctctgttccc a 41

 <210> 6798
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6798
 atctctggta atattcatac rgattatttg taatcccttt a 41

 <210> 6799
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6799
 attcctagtt ctttgtccct yaagtttggt ggtcaccttg t 41

<210> 6800
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6800
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 <210> 6801
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6801
 gtcatttgat tacctgagta magtgtactg ttacctgttt g 41

 <210> 6802
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6802
 attttataaa ttctttgatg mcttgggggt cttattcaac t 41

 <210> 6803
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6803
 attgtgtaga gtaatgacag yagagctgtc aactttttta a 41

 <210> 6804
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6804
 gcagagctgt caactttttt waaaaaataa ttttagctta a 41

 <210> 6805
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6805
 ttttttaaaa aaataatttt rgcttaaaaa aattaaaaat t 41

 <210> 6806
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6806
 atcattgctg tttaaaagtt yaagtagtgt gaatttcagt a 41

<210> 6807
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6807
 aaccaatcct tttatTTTTT wtcttccaga aactttgatt t 41

 <210> 6808
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6808
 ggggtgtgtg gatgttttga ygttttgatt gattgccttc t 41

 <210> 6809
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6809
 ctttctcacc ccttgcaactg yagtggtttt gtgccactct t 41

 <210> 6810
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6810
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 <210> 6811
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6811
 gatttttctc cttcttcaat rtaagcttcc cttaaaataa a 41

 <210> 6812
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6812
 tctaaactca aaacagggttt rtttggttat tgtttaggct g 41

 <210> 6813
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6813
 tatagttttg ctttttccag satattacat atatggttag a 41

<210> 6814
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6814
 ctttcatttc ttttcatagc ytgatagctc atttctttat a 41

 <210> 6815
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6815
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 <210> 6816
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 <212> DNA
 <213> Homo sapiens

 <400> 6816
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 <210> 6817
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 <213> Homo sapiens

 <400> 6817
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 <210> 6818
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6818
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 <210> 6819
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6819
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 <210> 6820
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6820
 ctacaaatat attctaaatg ygtaatcatg gataagtaca a 41

<210> 6821
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6821
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 <210> 6822
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6822
 ccagctactt gggaggctga rgtgggagga tcacttgagc c 41

 <210> 6823
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6823
 acagcggctc gtcttcctgc rgttctcata ggctagctta c 41

 <210> 6824
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6824
 tacactaaag tgtctcttac rtttatactt gagaaagtgt t 41

 <210> 6825
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6825
 tgcagacttt caggtgggta sgatgagggga ttgctgctgc t 41

 <210> 6826
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6826
 aaaactgagt cagaacgccc rtgctcagaa aacaggggcg t 41

 <210> 6827
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>

<221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

 <400> 6827
 gtgccagcac ttaggaatta kgaccttcta atgaagttct t 41

 <210> 6828
 <211> 42
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(22)
 <223> tc is present or absent.

 <400> 6828
 taaacagtag gggcaagata tcgagtggaa acagccaaga tt 42

 <210> 6829
 <211> 40
 <212> DNA
 <213> Homo sapiens

 <400> 6829
 taaacagtag gggcaagata gagtggaac agccaagatt 40

 <210> 6830
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

 <400> 6830
 tggtttctst tctccacttt tcccctcggt cttgtcccy c 41

 <210> 6831
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6831
 attcaacttt ttatcccccc taatgattaa catagtgtat t 41

 <210> 6832
 <211> 60
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(40)
 <223> gaagaaactgttgacagttt is present or absent.

 <400> 6832
 taacttcctc ctaacgtcct gaagaaactg ttgacagttt cttccttctt tctttaacct 60

 <210> 6833
 <211> 43
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(23)
 <223> cct is present or absent.

 <400> 6833
 gaaactgttg acagtttctt ctttctttct ttaacctact cca 43

 <210> 6834
 <211> 44
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(24)
 <223> tttc is present or absent.

 <400> 6834
 tgttgacagt ttcttccttc tttctttaac ctactccagt cagg 44

 <210> 6835
 <211> 54
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(34)
 <223> ttcttttaaa attg is present or absent.

 <400> 6835
 ccatttctcc cctaaaattg ttcttttaaa attgctcttt tcaagggttat ccac 54

 <210> 6836
 <211> 40
 <212> DNA
 <213> Homo sapiens

 <400> 6836
 ccatttctcc cctaaaattg ctcttttcaa gggttatccac 40

<210> 6837
 <211> 51
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(31)
 <223> ttcaggccttt is present or absent.

 <400> 6837
 gccacatcca atggtcagtt ttcaggcctt tctcagacct catgtcatgt g 51

 <210> 6838
 <211> 40
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 <210> 6839
 <211> 46
 <212> DNA
 <213> Homo sapiens

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 <222> (21)..(26)
 <223> ggcttg is present or absent.

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 <211> 40
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 <400> 6840
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 <213> Homo sapiens

 <220>
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 <222> (21)..(21)
 <223> a is present or absent.

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<210> 6842
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 <212> DNA
 <213> Homo sapiens

 <400> 6842
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 <210> 6844
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 <400> 6844
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 <213> Homo sapiens

 <400> 6845
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 <213> Homo sapiens

 <400> 6846
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 <400> 6848
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 <400> 6849
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 <400> 6850
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 <400> 6851
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 <210> 6855
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 <210> 6862
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 <210> 6864
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 <210> 6865
 <211> 41
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 <210> 6866
 <211> 41
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 <400> 6866
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 <210> 6867
 <211> 41
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 <400> 6867
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 <212> DNA
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 <400> 6868
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 <210> 6869
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 <400> 6869
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<210> 6870
<211> 51
<212> DNA
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<222> (30)..(31)
<223> c is present or absent.

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<210> 6871
<211> 61
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (36)..(41)
<223> a is present or absent.

<400> 6871
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a 61

<210> 6872
<211> 56
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)..(36)
<223> ggggtggcggggtggg is present or absent.

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<210> 6873
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<212> DNA
<213> Homo sapiens

<220>
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<222> (21)..(21)
<223> t is present or absent.

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<210> 6874
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<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)..(21)
<223> a is present or absent.

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<210> 6875
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<212> DNA
<213> Homo sapiens

<400> 6875
cacttccatt ctgactgtta cggtgtgatt cttcctgcc 40

<210> 6876
<211> 41
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)..(21)
<223> a is present or absent.

<400> 6876
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<210> 6877
<211> 52
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (31)..(32)
<223> t is present or absent.

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<210> 6878
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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (21)..(22)
 <223> tt is present or absent.

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<210> 6879
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 <212> DNA
 <213> Homo sapiens

<400> 6879
 aattcccca ttgcttctct ctgtagacat tttaaacccta 40

<210> 6880
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 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(41)
 <223> tccctccttgagctgacgt is present or absent.

<400> 6880
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<210> 6881
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 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (45)..(46)
 <223> ca is present or absent.

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 <222> (47)..(48)
 <223> ca is present or absent.

<220>
 <221> misc_feature
 <222> (49)..(50)
 <223> ca is present or absent.

<220>
 <221> misc_feature
 <222> (51)..(52)
 <223> ca is present or absent.

<220>
 <221> misc_feature
 <222> (53)..(54)

<223> ca is present or absent.
 <220>
 <221> misc_feature
 <222> (55)..(56)
 <223> ca is present or absent.
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 tcatgaaaac tcttttc 76
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 <211> 41
 <212> DNA
 <213> Homo sapiens
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 <211> 41
 <212> DNA
 <213> Homo sapiens
 <400> 6883
 gacacaggca ttctgcagac rctagacaat tttagtggca g 41
 <210> 6884
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 <212> DNA
 <213> Homo sapiens
 <400> 6884
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 <210> 6885
 <211> 41
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<400> 6887
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<210> 6888
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<400> 6888
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<210> 6889
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<210> 6890
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<400> 6890
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<210> 6891
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<400> 6891
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<210> 6892
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<400> 6892
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<210> 6893
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<400> 6893
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<220>
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 <222> (21)..(23)
 <223> gtt is present or absent.

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 <210> 6895
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 <400> 6895
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 <210> 6896
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 <400> 6896
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 <210> 6897
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 <220>
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 <222> (21)..(22)
 <223> ga is present or absent.

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 <210> 6898
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 <212> DNA
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 <400> 6898
 agttctgagg ctgagagaga ggccacgccg ccggccagtg 40

 <210> 6899
 <211> 41
 <212> DNA
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 <400> 6899
 tcctaggggg tcgtcgtggt scagacagtt tagcagaaca g 41

 <210> 6900

<211> 41
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 <210> 6901
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6901
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 <210> 6902
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6902
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 <210> 6903
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6903
 ttttgaaaag ttagcccagg rttgcattgc aaataacaaa a 41

 <210> 6904
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6904
 tatctcagaa tatctcagga rcatttagta gacagctatg c 41

 <210> 6905
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6905
 aagccctaaa atagatagtg kcaatgggaa tgaaaacaag a 41

 <210> 6906
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6906
 ttttgaaacg aggtctcact rtggtgtcca ggctgggctt g 41

<210> 6907
 <211> 41
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 <213> Homo sapiens

 <400> 6907
 gagtgcggtg gcgcgatctc ratctcgggt cactgcagcc t 41

 <210> 6908
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6908
 ggaggccaag gcaggcagat ygcctaagtg caggagtttg a 41

 <210> 6909
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 <400> 6909
 ggccaacatg gcgaaacccc rtctctacta aaaatacaaa a 41

 <210> 6910
 <211> 41
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 <213> Homo sapiens

 <400> 6910
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 <210> 6911
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 <400> 6911
 gcaccactgt ttaatgctag rattcgaaag aggttggtaa t 41

 <210> 6912
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6912
 attactttta gaaaacgtgt yttagctgat actcaggcat a 41

 <210> 6913
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6913
 aaaaattggt atattagtta yaccttggtt caaaaattgc a 41

<210> 6914
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 <212> DNA
 <213> Homo sapiens

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 gataaagtct cactatgttg yccaggttga tctcaaactc c 41

 <210> 6915
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 <213> Homo sapiens

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 <210> 6916
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 <212> DNA
 <213> Homo sapiens

 <400> 6916
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 <210> 6917
 <211> 41
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 <400> 6917
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 <210> 6918
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 <210> 6919
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 <213> Homo sapiens

 <400> 6919
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 <210> 6920
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 <213> Homo sapiens

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<210> 6921
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<220>
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 <223> t is present or absent.

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<210> 6922
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<400> 6922
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<210> 6923
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<400> 6923
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<210> 6924
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<400> 6924
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<210> 6925
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<210> 6926
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<400> 6926
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<210> 6927
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 <210> 6928
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 <210> 6929
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 <210> 6930
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 <210> 6931
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 <400> 6931
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 <210> 6932
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 <400> 6932
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 <210> 6933
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 <400> 6933
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 <210> 6934

<211> 41
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 <400> 6934
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 <210> 6935
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 <400> 6935
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 <210> 6936
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 <400> 6936
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 <210> 6937
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6937
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 <210> 6938
 <211> 41
 <212> DNA
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 <400> 6938
 ctactctgtg aaagtaagggt watggtgaac aagtaaatta a 41

 <210> 6939
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6939
 actttctttg gagatggagt wccagcagtt gggaatgtaa t 41

 <210> 6940
 <211> 41
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 <213> Homo sapiens

 <220>
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 <222> (21)..(21)

<223> t is present or absent.

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<210> 6941
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

<400> 6941
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<210> 6942
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 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (21)..(21)
 <223> t is present or absent.

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<210> 6944
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<210> 6945
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<210> 6946
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 <210> 6947
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 <210> 6948
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 <210> 6949
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 <210> 6950
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 <400> 6951
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<210> 6953
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 <210> 6954
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 <210> 6955
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 <212> DNA
 <213> Homo sapiens

 <400> 6955
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 <210> 6956
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 <400> 6956
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 <210> 6957
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 <210> 6959
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 tagccttgct tttactctac ygttcctccc aaatcacacc c 41

<210> 6960
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 <213> Homo sapiens

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 <210> 6961
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 <213> Homo sapiens

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 <400> 6963
 ctgtagcctc tgccctcccag rttcaggcga ttcgcgtacc t 41

 <210> 6964
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 <400> 6964
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<212> DNA
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<220>
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 <222> (21)..(21)
 <223> a is present or absent.

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<210> 6967
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 <213> Homo sapiens

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 <222> (21)..(21)
 <223> c is present or absent.

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 <213> Homo sapiens

<400> 6968
 ggccgctggg tacaggatgc mccttcctcc agccgcacct c 41

<210> 6969
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 <212> DNA
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<400> 6969
 ggatcatggg ggtggagagg rgcttgtgtc tgggtgggttt g 41

<210> 6970
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 6970
 cagttgtcga gtaagtggg yatagggtaa gtgctctttc t 41

<210> 6971
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 <212> DNA
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<400> 6971
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<210> 6972
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 <400> 6972
 tggagaaggg gaggtttctc ytagtgtgga tgcggtatgg t 41

<210> 6973
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 <213> Homo sapiens

 <400> 6973
 gaccgtggtg acggaggttt yctgggcatc gatgggtggt t 41

<210> 6974
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 <213> Homo sapiens

 <400> 6974
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<210> 6975
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 <400> 6975
 tttaaacttt tattttaaat rtccatgaat ggggtcggta t 41

<210> 6976
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 aaagatttaa acctacatat ytttatgccc aatcatttga t 41

<210> 6977
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 <400> 6977
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<210> 6978
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 <400> 6978
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<210> 6979
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 <400> 6979
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 gtaactgttc agtgctttct yctttggatt tcatgtaaat c 41

 <210> 6983
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 <400> 6983
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 <210> 6984
 <211> 41
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 <210> 6985
 <211> 41
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 <400> 6985
 ctagagtggg actgggcacc yggcatgtcc cctcctgggc t 41

<210> 6986
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 <400> 6986
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 <400> 6988
 aggtgcagcg gggagccggc yctcagggcg catgcgccgc c 41

 <210> 6989
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 <400> 6989
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 <210> 6990
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 <400> 6990
 aggcaaggca ggccgggcac rgtgggtcac gcttgtaatc c 41

 <210> 6991
 <211> 41
 <212> DNA
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 <400> 6991
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 <210> 6992
 <211> 41
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 <400> 6992
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<210> 6993
 <211> 41
 <212> DNA
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 <400> 6993
 ttttcccaga cgtaaccgcc rtcagagcgt ggcatggagc c 41

 <210> 6994
 <211> 41
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 <213> Homo sapiens

 <400> 6994
 cgctgggttc tttcccttac ygtggtctcc caggcactta c 41

 <210> 6995
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6995
 tgtcagaaca ggcctatggc rcccaaccac aagtcccca a 41

 <210> 6996
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 6996
 cagccccaca ggcctgtgct mgctgtgtgg ggcttaggga t 41

 <210> 6997
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 <222> (21)..(21)
 <223> c is present or absent.

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 <210> 6998
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 <213> Homo sapiens

 <400> 6998
 cagagacctt gacccccccc atctaccatc atttccaaaa 40

 <210> 6999

<211> 41
 <212> DNA
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 <400> 6999
 ctgggtggag tggggtggca yggagttgaa gacccagtcc t 41

 <210> 7000
 <211> 41
 <212> DNA
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 <400> 7000
 tgtgccggcc ccagccctga scatgcatcc ctttggggac c 41

 <210> 7001
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7001
 accacccttc tgcgtagcac rgagggtggg tggcatcaag g 41

 <210> 7002
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7002
 tgtaggctga ggtagccccc matccagtcc aaagcccacc c 41

 <210> 7003
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7003
 gaatcgga gtagctctgtg rgacccacc atgctccggg c 41

 <210> 7004
 <211> 41
 <212> DNA
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 <400> 7004
 gatctggggc ggagggtaca yggggctggc gctgggtgaa g 41

 <210> 7005
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)

<223> t is present or absent.

<400> 7005
tggtgtaaatt tttttttttt tgcttcaaaa atatagtatt t 41

<210> 7006
<211> 43
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)..(23)
<223> ttc is present or absent.

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<210> 7007
<211> 41
<212> DNA
<213> Homo sapiens

<400> 7007
ggaaatgctg gctaaataaa yggatatcaaa ctaactctga a 41

<210> 7008
<211> 41
<212> DNA
<213> Homo sapiens

<400> 7008
tcggttgatg gtagtattgt ktgaacaaca gaagaaattc a 41

<210> 7009
<211> 41
<212> DNA
<213> Homo sapiens

<400> 7009
ccaaatgcat gccagcagag ygtggcagga aggtacacaa g 41

<210> 7010
<211> 41
<212> DNA
<213> Homo sapiens

<400> 7010
aaggaatttg cataagacag ytatgcaaaa tggagctgga g 41

<210> 7011
<211> 41
<212> DNA
<213> Homo sapiens

<400> 7011
 cagaagatct tactctctaa kgaagctgga taacactttt t 41

<210> 7012
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 7012
 tttacttttg taatcatact yatcaaatgt gtgttttagac a 41

<210> 7013
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 7013
 aaaccacata ctatttgatt mtgatgagaa tcacataacc a 41

<210> 7014
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 7014
 tatgattcaa ctttcaaaag wgtattgtga tatgaaatag a 41

<210> 7015
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 7015
 caacttctgc catcttattg ratctgtact tacctagtaa t 41

<210> 7016
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 7016
 tggtaagagg ctttaagata mcaaattgctc agctttcagg a 41

<210> 7017
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 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(23)
 <223> ctt is present or absent.

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<210> 7018
 <211> 40
 <212> DNA
 <213> Homo sapiens

 <400> 7018
 tactctttaa attaatcctt ttattataag tatacagtct 40

 <210> 7019
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7019
 cgccgcgccc ccgccacagc rcccaggcgc ccgcagggca c 41

 <210> 7020
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7020
 tggccccaag ggaggcactt rgccctactg gggatgcgcg c 41

 <210> 7021
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7021
 ttgggcccgt gaccccgctc yctgggcca ggactgaccg c 41

 <210> 7022
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7022
 tatacaagac acaagatcta yaacagattt tagaccaaac a 41

 <210> 7023
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7023
 ttcacagatg aaggggttcc raaatttttg tcaagaaaga c 41

 <210> 7024
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7024
 tcgccttcgt cttcatcctc ktccagctcc tctgattctg a 41

<210> 7025
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7025
 cctttgaaaa cagagcccc ygagttacag tatcagcaaa a 41

 <210> 7026
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7026
 actatcttct gtgcgcatgc rcagagccca cttgcagag c 41

 <210> 7027
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7027
 aggatgccag ctcttttaa at ragacatcgt ttttgcttaa c 41

 <210> 7028
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 <212> DNA
 <213> Homo sapiens

 <400> 7028
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 <210> 7029
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7029
 ttatccagta aggtggctcc rtcacctctt ttctggtgg g 41

 <210> 7030
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7030
 gacggccagg tccggatggt kgtgggagct gctgggggca c 41

 <210> 7031
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7031
 tgccgaaatg cggcagatga ygactgggga cctgaaccct c 41

<210> 7032
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7032
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 <210> 7033
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7033
 ccgcacatct gtaccctgcc sccatcctcc agcagagcag c 41

 <210> 7034
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7034
 tcagtcatgg gttctctggg yccaacttca ccgctgactg a 41

 <210> 7035
 <211> 41
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 <400> 7035
 aggaggccgg gagtcaggcc rccctcagac cctctggctc a 41

 <210> 7036
 <211> 41
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 <213> Homo sapiens

 <400> 7036
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 <210> 7037
 <211> 41
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 <213> Homo sapiens

 <400> 7037
 ggataaggac atcagaggtg rgcgctaagc cagcagcagg c 41

 <210> 7038
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7038
 atctcttacc cacaccccca scatgggtggg gaggttcctc a 41

<210> 7039
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7039
 ccatggtggg gaggttcctc rtcctaaggg atccgcagag c 41

 <210> 7040
 <211> 41
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 <213> Homo sapiens

 <400> 7040
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 <210> 7041
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7041
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 <210> 7042
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7042
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 <210> 7043
 <211> 41
 <212> DNA
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 <400> 7043
 ctcgaggtgg agcttagccc ygtgccagga gcaatgggac t 41

 <210> 7044
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7044
 ggagtcagtc ttcacttgca mtgggggaac agatgctaata a 41

 <210> 7045
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7045
 ccgccccgac tccctcccc stcgctgac tgcgagcccc c 41

<210> 7046
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7046
 tgactgcgag cccccgcgcc rggccgggga atgggtcggc t 41

 <210> 7047
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7047
 gcgccgggcc ggggaatggg kcggtgggt ggctgcgcgg g 41

 <210> 7048
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7048
 cgcgcctccg ggccagggtg rgcggggacg ggccgcctga c 41

 <210> 7049
 <211> 49
 <212> DNA
 <213> Homo sapiens

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 <221> misc_feature
 <222> (29)..(29)
 <223> a is present or absent.

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 <210> 7050
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7050
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 <210> 7051
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7051
 ccactcttca aaaggaggta yatgtgacag cagctggaaa t 41

 <210> 7052

<211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7052
 gaatccacca gggccatggg rctggcctct gattgggcac a 41

 <210> 7053
 <211> 52
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (31)..(32)
 <223> t is present or absent.

 <400> 7053
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 <210> 7054
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7054
 gcctcagcct cccaagtagc ygggactaca ggcgcctgcc a 41

 <210> 7055
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7055
 gcctgggcta ggtgtagggg kcctgagttc cgggctttgc t 41

 <210> 7056
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 <212> DNA
 <213> Homo sapiens

 <400> 7056
 cttccctgtg ttcacactaa ycttttcctt ctttgaaatt g 41

 <210> 7057
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7057
 atagccagga gaagccttga racccaggtt gtttgttcag t 41

 <210> 7058
 <211> 41
 <212> DNA

<213> Homo sapiens
 <400> 7058
 aagagtgaca tggggtataa saggggataa ttcattggggc a 41

 <210> 7059
 <211> 65
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (43)..(45)
 <223> t is present or absent.

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 aacat 65

 <210> 7060
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 <400> 7060
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 <210> 7061
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7061
 ctggccatcc tgctacagca wctggagttc agcgtgccgc c 41

 <210> 7062
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7062
 cggctgcgct tctccatcaa ytgaagaaga caccaccatt c 41

 <210> 7063
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7063
 tgtatcctgt gaagcatcac rgttatcctt ctctgcacat g 41

 <210> 7064
 <211> 41
 <212> DNA

<213> Homo sapiens
 <400> 7064
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 <210> 7065
 <211> 41
 <212> DNA
 <213> Homo sapiens
 <400> 7065
 gggggaagcc acccccgccc ragcgccctcc ggcttcctt a 41

 <210> 7066
 <211> 41
 <212> DNA
 <213> Homo sapiens
 <400> 7066
 ttccgggaag caagctcaag ycgcggagag ggaagggagg t 41

 <210> 7067
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 <212> DNA
 <213> Homo sapiens
 <400> 7067
 ctggggacac cgtgcggcct ygattggagg tggctgtgat g 41

 <210> 7068
 <211> 41
 <212> DNA
 <213> Homo sapiens
 <400> 7068
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 <210> 7069
 <211> 41
 <212> DNA
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 <210> 7070
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> t is present or absent.

<400> 7070
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<210> 7071
 <211> 40
 <212> DNA
 <213> Homo sapiens

<400> 7071
 agcttctggg agattttttt gagtcaaaga cttaaagggc 40

<210> 7072
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 7072
 agtatagtgg ggttccatga kttatcatga attttaaagt a 41

<210> 7073
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> a is present or absent.

<400> 7073
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<210> 7074
 <211> 41
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(21)
 <223> a is present or absent.

<400> 7074
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<210> 7075
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 7075
 ttgaataata tatgccttgt rtaatattga aaattgaaaa g 41

<210> 7076

<211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> c is present or absent.

 <400> 7076
 ttgaaattct atttataata cagaatcttg ttttgaaaat a 41

 <210> 7077
 <211> 52
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (31)..(32)
 <223> t is present or absent.

 <400> 7077
 agccagcctc tttctttttc tttttttttt ttaaaattta ttcttatttc ct 52

 <210> 7078
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(21)
 <223> a is present or absent.

 <400> 7078
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 <210> 7079
 <211> 51
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (30)..(31)
 <223> a is present or absent.

 <400> 7079
 cacaaaatga gtttgtgggg aaaaaaaaaa aacacaaagg cggaatcaca t 51

 <210> 7080
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 <210> 7081
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 <400> 7081
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 <213> Homo sapiens

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 <223> a is present or absent.

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 <213> Homo sapiens

 <400> 7083
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 <210> 7084
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 <400> 7084
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 <210> 7085
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 <222> (21)..(21)
 <223> t is present or absent.

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<210> 7086
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 <212> DNA
 <213> Homo sapiens

 <400> 7086
 agccgtctcg aatgtctccc yacttcataa ctccctccaca c 41

 <210> 7087
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 <212> DNA
 <213> Homo sapiens

 <400> 7087
 ttttttgccc attactccat rgagatcaga atatcactct g 41

 <210> 7088
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 <212> DNA
 <213> Homo sapiens

 <400> 7088
 ggaagactca cagaacacag ytgaagaagg aaagtggcga t 41

 <210> 7089
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 <222> (21)..(21)
 <223> a is present or absent.

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 <400> 7090
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 <210> 7091
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 <400> 7091
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 <210> 7092
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<212> DNA
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 <400> 7092 41
 tatggtttaa attcattcat ktttaaacca gaattttttg g

 <210> 7093
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 <400> 7093 41
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 <210> 7094
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 <212> DNA
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 <400> 7094 41
 cttatcttat atgccatact rcaccatttg ctatcaacag g

 <210> 7095
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 <400> 7095 41
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 <210> 7096
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 <400> 7096 41
 aatgacatga acaaggtgtg wttgtgaagc aagggatatt t

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 <400> 7097 41
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 <400> 7099
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 <210> 7100
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 <400> 7100
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 <223> a is present or absent.

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 <213> Homo sapiens

 <400> 7102
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 <210> 7103
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 <400> 7103
 gttctgaaaa tgtgcaggaa ktattccagg aagatgagaa t 41

 <210> 7104
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 <400> 7104
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 <210> 7105
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<213> Homo sapiens

<220>

<221> misc_feature

<222> (21)..(21)

<223> a is present or absent.

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41

<210> 7106

<211> 41

<212> DNA

<213> Homo sapiens

<400> 7106

tggagaaaat attcatagtt ycattctgcc ttctttgaag a

41

<210> 7107

<211> 41

<212> DNA

<213> Homo sapiens

<400> 7107

atgaacactg aataaaaaat kgtcaattcg tcagttgatt g

41

<210> 7108

<211> 41

<212> DNA

<213> Homo sapiens

<400> 7108

ttttcctttt ttattctttc mttttccctc cttttctgaa t

41

<210> 7109

<211> 41

<212> DNA

<213> Homo sapiens

<400> 7109

cccaaggaac atgtggctcc mggcacatac ctggcacaac a

41

<210> 7110

<211> 41

<212> DNA

<213> Homo sapiens

<400> 7110

tagaaaatcc tccacttgtc maaaaggaag ccatttgctt t

41

<210> 7111

<211> 41

<212> DNA

<213> Homo sapiens

<400> 7111
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<210> 7112
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 7112
 tttttctgtt agcctcttca ytgtaaccaa aagcagcatt a 41

<210> 7113
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 7113
 tccagtgtct gcctattccc ytcttctttt tttcttcct t 41

<210> 7114
 <211> 50
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (30)..(30)
 <223> t is present or absent.

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<210> 7115
 <211> 43
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (21)..(23)
 <223> aag is present or absent.

<400> 7115
 taagacaagg tagggaggag aaggaggaga attagaaaaa caa 43

<210> 7116
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 7116
 cccctccat taacaatatc ytctcatttt attccattta a 41

<210> 7117

<211> 41
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)..(21)
<223> t is present or absent.

<400> 7117
gtctgtctgc agggaaaata tattcatgcc ttttgaaaat t 41

<210> 7118
<211> 41
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<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)..(21)
<223> t is present or absent.

<400> 7118
tattgtcagt aatttttttt tactttgatg ctatactttc t 41

<210> 7119
<211> 41
<212> DNA
<213> Homo sapiens

<400> 7119
ttcatccaat gtgctgcata mataatcagg gattctgtac g 41

<210> 7120
<211> 41
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)..(21)
<223> t is present or absent.

<400> 7120
tcatgctcac tttttttttt tctcaaaatg atcagtcaca c 41

<210> 7121
<211> 41
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<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)..(21)

<223> t is present or absent.

<400> 7121
tagaggggaat cttttttttt tccttttttt ctgctgccca g 41

<210> 7122
<211> 41
<212> DNA
<213> Homo sapiens

<400> 7122
tttttatata gctagggaga ytgtaaatta acaagtttcc t 41

<210> 7123
<211> 41
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)..(21)
<223> t is present or absent.

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agtcaagata actttttttt tcataaagga ccacagtatg t 41

<210> 7124
<211> 41
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<400> 7124
catgactcag tttccaacca yaacttttca ttttggcata g 41

<210> 7125
<211> 41
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)..(21)
<223> a is present or absent.

<400> 7125
tagtgacttt tgaaaaaaaa attagtaata agcaaaagac t 41

<210> 7126
<211> 41
<212> DNA
<213> Homo sapiens

<400> 7126
aaaacttaag gcacttttca raaatcccat tggacctaaa g 41

<210> 7127
<211> 41
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)..(21)
<223> a is present or absent.

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tactttgagc cctcattctc accaagtcac ttcagtgtca g 41

<210> 7128
<211> 40
<212> DNA
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<400> 7128
tactttgagc cctcattctc ccaagtcact tcagtgtcag 40

<210> 7129
<211> 41
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<213> Homo sapiens

<400> 7129
gaaacattca cagtgtttgt wtgagaagac agtgggttatt a 41

<210> 7130
<211> 41
<212> DNA
<213> Homo sapiens

<400> 7130
gagcagctga aggcagggtca katgaaggct aggtggctgg a 41

<210> 7131
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<213> Homo sapiens

<400> 7131
tccaaaacct ctggatagta yatagaagta ggcaatccat t 41

<210> 7132
<211> 41
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<213> Homo sapiens

<400> 7132
cctatgggtg gctcaggagc ygtgacacct tcccagggttc a 41

<210> 7133
<211> 41

<212> DNA
 <213> Homo sapiens

 <400> 7133
 gaggactttg cacatagtag rtgctcagct atattgttgg c 41

 <210> 7134
 <211> 56
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (35)..(36)
 <223> gt is present or absent.

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 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7135
 tttggaatct aaagactggg kcacgatgct agttgtgtga c 41

 <210> 7136
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 <400> 7136
 ttttggggtg tggggagagg rcccatagta gggagacagc t 41

 <210> 7137
 <211> 41
 <212> DNA
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 <400> 7137
 acctaagggt gtccatcctg raggagagca gtcctagggg g 41

 <210> 7138
 <211> 41
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 <400> 7138
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 <210> 7139
 <211> 41
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<400> 7139
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<210> 7140
 <211> 41
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<400> 7140
 atgggtgtggt ggtaggacca yggctgggtca ccagaggctg t 41

<210> 7141
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<400> 7141
 aaaggctttc acatctaaaa mgtgtctcct ctttttctgt c 41

<210> 7142
 <211> 41
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<400> 7142
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<210> 7143
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 <212> DNA
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<400> 7143
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<210> 7144
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<400> 7144
 acaagtggga agagaaagct ygggagggta agtcctttga c 41

<210> 7145
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<400> 7145
 cccagggagc cttagcttgc rgggagacag gacctgctca t 41

<210> 7146
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<220>
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 <222> (21)..(23)
 <223> cct is present or absent.

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 <210> 7147
 <211> 41
 <212> DNA
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 <400> 7147
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 <210> 7148
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 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(22)
 <223> tc is present or absent.

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 agctcttaag catttcccc tctttcctca gcaaatataa cc 42

 <210> 7149
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 <400> 7149
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 <210> 7150
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 <210> 7151
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 <210> 7152

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 agaaagtgtg caacaagagg ytgatatttt gtgtgctaac t 41

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<210> 7159
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 <210> 7160
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 <212> DNA
 <213> Homo sapiens

 <400> 7160
 tgggctggga gatcagacag kgtgggggac tgggagggtc a 41

 <210> 7161
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 <212> DNA
 <213> Homo sapiens

 <400> 7161
 ccagatggct caggctgtga mctccctggg caccaccctc c 41

 <210> 7162
 <211> 41
 <212> DNA
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 <400> 7162
 ctgggtgtgg aggagttggg rccccctgcc ttcaggaggc t 41

 <210> 7163
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 <400> 7163
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 <210> 7164
 <211> 42
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 <213> Homo sapiens

 <220>
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 <222> (21)..(22)
 <223> ca is present or absent.

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<212> DNA
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 <400> 7165
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 <210> 7166
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 <400> 7166
 ccctgctcta cctccggcac ygcccgtccc tgcctctcca c 41

 <210> 7167
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 <210> 7169
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 <210> 7170
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 <210> 7172

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 <210> 7173
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 <210> 7176
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<210> 7179
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 <210> 7180
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 <400> 7180
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 <210> 7181
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 <400> 7181
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 <210> 7182
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 <210> 7183
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 <210> 7184
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 <400> 7185
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<210> 7186
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<223> g is present or absent.

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<400> 7187
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<210> 7188
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<400> 7188
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<210> 7189
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<210> 7190
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<400> 7190
gaaccatca caaccagct rtgtggccgg accctgaggt g 41

<210> 7191
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<210> 7192
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 <210> 7193
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 <210> 7194
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 <210> 7195
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 <210> 7196
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 <400> 7196
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 <210> 7197
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 <210> 7198
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 <400> 7198
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 <210> 7200
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 <223> aaa is present or absent.

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<220>
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 <222> (21)..(21)
 <223> c is present or absent.

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 <212> DNA
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<400> 7300
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<400> 7301
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<210> 7302
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<400> 7302
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<210> 7303
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 <210> 7332

<211> 58
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 <222> (37)..(38)
 <223> a is present or absent.

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 <223> ga is present or absent.

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 <222> (31)..(32)
 <223> ga is present or absent.

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 <210> 7336
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 <210> 7345
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 <400> 7345
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 <222> (21)..(21)
 <223> a is present or absent.

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 <400> 7347
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 <400> 7348
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 <210> 7349
 <211> 41
 <212> DNA
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 <400> 7349
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 <400> 7350 41
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 <210> 7351
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 <400> 7351 41
 tccacaccag tttctccagg kcctgccctt ctgccaaggc t

 <210> 7352
 <211> 41
 <212> DNA
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 <400> 7352 41
 ccactttggt cctggggctt wgggtaaact tcttacctcc t

 <210> 7353
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 <400> 7353 41
 ctgagctcaa ggctcagctc rtcctccagc ctcttggtg c

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 <400> 7354 41
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 <210> 7355
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 <400> 7356 41
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 <400> 7357
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 <210> 7358
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 <400> 7358
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 <210> 7359
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 <400> 7359
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 <210> 7360
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 <213> Homo sapiens

 <400> 7360
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 <210> 7361
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 <213> Homo sapiens

 <400> 7361
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 <210> 7362
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 <212> DNA
 <213> Homo sapiens

 <400> 7362
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 <210> 7363
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 <400> 7363
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<210> 7364
 <211> 41
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 <400> 7364
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 <210> 7365
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 <212> DNA
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 <400> 7365
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 <210> 7366
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 taatgaaagt aaatgtttca rcttccttaa caaaagttga a 41

 <210> 7367
 <211> 41
 <212> DNA
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 <400> 7367
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 <210> 7368
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 <400> 7368
 aaggagcata cagaaaactt sccatgatgg ggcctttgtg g 41

 <210> 7369
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 <400> 7369
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<210> 7371
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 <400> 7371
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 <210> 7372
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 <400> 7373
 tataaagttg tggttaatga rtatatatga ataagaatat t 41

 <210> 7374
 <211> 41
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 <400> 7374
 agaaggaaaa aggccatttt sttaagaatc cctgagatat g 41

 <210> 7375
 <211> 46
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 <220>
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 <222> (25)..(26)
 <223> tc is present or absent.

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 <210> 7376
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 <400> 7376
 atagaaggag aggctatact rcttccttaa gtctcaggac c 41

 <210> 7377
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<212> DNA
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 <400> 7377 41
 actaaggata aaaatatggc rtactcagtc acattggaac t

 <210> 7378
 <211> 41
 <212> DNA
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 <400> 7378 41
 aggccttaat gacatatattc ycctcacata aagatacaac a

 <210> 7379
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7379 41
 taatgacata tttccctca mataaagata caacatgctt t

 <210> 7380
 <211> 41
 <212> DNA
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 <400> 7380 41
 tatggtaact gaagaaaatg rcattaagtt cctaaagtta t

 <210> 7381
 <211> 47
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (27)..(27)
 <223> a is present or absent.

 <400> 7381 47
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 <210> 7382
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7382 41
 atctctacca aggtaccaat kccttaagga agatgttaat t

 <210> 7383
 <211> 55
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (34)..(35)
 <223> a is present or absent.

<400> 7383
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<210> 7384
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 7384
 ttaagttaaa tgtaaacagc rcctttgcac actattcagt g 41

<210> 7385
 <211> 50
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (0)..(30)
 <223> t is present or absent.

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<210> 7386
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 7386
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<210> 7387
 <211> 54
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (32)..(34)
 <223> a is present or absent.

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<210> 7388
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 7388
 tagattttga tgagtttgag kttttttttt tttttttcca a 41

<210> 7389
 <211> 57
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (35)..(37)
 <223> a is present or absent.

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<210> 7390
 <211> 49
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (29)..(29)
 <223> a is present or absent.

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<210> 7391
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 <213> Homo sapiens

<400> 7391
 aaatttgtaa gtgaatgtta kataaaaaatc tgtaacaatt a 41

<210> 7392
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<400> 7392
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<210> 7393
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 7393
 caggcctaataaatgaaatg ytcactactg ttgccaacac c 41

<210> 7394

<211> 41
 <212> DNA
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 <400> 7394
 attcgggagt cctgtctgcc mtttgtagaa accatccagc t 41

 <210> 7395
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 <212> DNA
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 <400> 7395
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 <210> 7396
 <211> 41
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 <400> 7396
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 <210> 7397
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 <220>
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 <222> (21)..(21)
 <223> g is present or absent.

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 <210> 7398
 <211> 40
 <212> DNA
 <213> Homo sapiens

 <400> 7398
 caatttcttc acaatacctg attgctgcc ggcagcaata 40

 <210> 7399
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7399
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 <210> 7400
 <211> 41
 <212> DNA

<213> Homo sapiens
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 <210> 7401
 <211> 41
 <212> DNA
 <213> Homo sapiens
 <400> 7401
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 <210> 7402
 <211> 41
 <212> DNA
 <213> Homo sapiens
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 <210> 7403
 <211> 41
 <212> DNA
 <213> Homo sapiens
 <400> 7403
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 <210> 7404
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 <210> 7405
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 ctccagccag agaggacaga yagctgagtt tctgtttggc t 41

 <210> 7406
 <211> 41
 <212> DNA
 <213> Homo sapiens
 <400> 7406
 agcaccatgg actgtttttg sagtcctcct ctttattatg c 41

 <210> 7407
 <211> 41

<212> DNA
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 <400> 7407 41
 tcagtcaaac ttaaaggctc mgagatctat taatgcttat g

 <210> 7408
 <211> 41
 <212> DNA
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 <400> 7408 41
 gtgtcagcat ctgtagagta mgggagggtg ttgaaagaaa a

 <210> 7409
 <211> 41
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 <213> Homo sapiens

 <400> 7409 41
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 <210> 7410
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7410 41
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 <210> 7411
 <211> 41
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 <400> 7411 41
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 <210> 7412
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7412 41
 cagaaattgt actttaaaat rcgaactgca agcactgcag t

 <210> 7413
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7413 41
 agaaattgta cttttaaata ygaactgcaa gcactgcagt c

 <210> 7414

<211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7414
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 <210> 7415
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7415
 aaaaaaaact tcaaaatact scaatatcca aagttggtac a 41

 <210> 7416
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7416
 cagtctttag gcacaaagag rcaaagagtc ttctcatctc t 41

 <210> 7417
 <211> 57
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (35)..(37)
 <223> t is present or absent.

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 <210> 7418
 <211> 41
 <212> DNA
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 <400> 7418
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 <210> 7419
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7419
 tatgataaaa gctattaata wttaggaaga ttcctctgac t 41

 <210> 7420
 <211> 41
 <212> DNA

<213> Homo sapiens
 <400> 7420
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 <210> 7421
 <211> 49
 <212> DNA
 <213> Homo sapiens
 <220>
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 <222> (28)..(29)
 <223> g is present or absent.
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 <210> 7422
 <211> 41
 <212> DNA
 <213> Homo sapiens
 <400> 7422
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 <210> 7423
 <211> 41
 <212> DNA
 <213> Homo sapiens
 <400> 7423
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 <210> 7424
 <211> 41
 <212> DNA
 <213> Homo sapiens
 <400> 7424
 aaggctgtct cctgctgttt stggatccaa ggctgtga a 41
 <210> 7425
 <211> 41
 <212> DNA
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 <400> 7425
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 <223> a is present or absent.

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<210> 7427
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 <212> DNA
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<400> 7427
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<210> 7428
 <211> 41
 <212> DNA
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<400> 7428
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<210> 7429
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 <212> DNA
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<400> 7429
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<210> 7430
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 <212> DNA
 <213> Homo sapiens

<400> 7430
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<210> 7431
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 7431
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<210> 7432
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 <212> DNA
 <213> Homo sapiens

<400> 7432
 caacaggata atcccagaat sctctgtctg ccttggctc t 41

<210> 7433
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 <213> Homo sapiens

 <400> 7433
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 <210> 7434
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 <223> a is present or absent.

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 <210> 7435
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 <400> 7435
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 <210> 7436
 <211> 47
 <212> DNA
 <213> Homo sapiens

 <220>
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 <222> (27)..(27)
 <223> g is present or absent.

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 <210> 7437
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 <213> Homo sapiens

 <400> 7437
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 <210> 7438
 <211> 41
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<400> 7438
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<210> 7439
 <211> 41
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<210> 7440
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<210> 7442
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<210> 7444
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<400> 7444
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<210> 7445
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 <213> Homo sapiens

 <400> 7445
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 <210> 7446
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 <210> 7447
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 <210> 7448
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 <210> 7449
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 <400> 7449
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 <210> 7450
 <211> 41
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 <400> 7450
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 <210> 7451
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 <212> DNA
 <213> Homo sapiens

 <400> 7451
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<210> 7452
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 <212> DNA
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 <400> 7453
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 <400> 7455
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 <400> 7457
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 <223> a is present or absent.

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 <213> Homo sapiens

<400> 7459
 ttatttcagg gctggccatc ytagctgcct gcaggagctg t 41

<210> 7460
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<400> 7460
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<210> 7461
 <211> 46
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (25)..(26)
 <223> c is present or absent.

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 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 7462
 tgccggactg gccctgcggc rgggcgggtg agggcggctg c 41

<210> 7463
 <211> 41
 <212> DNA
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<400> 7463
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<213> Homo sapiens
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 aacatggacg gccacatctt ygccagcatc gacatgcctg c 41

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 <400> 7465
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 <400> 7466
 ggggtgagta tgcacacacc ytcctgttg cacaggctga g 41

 <210> 7467
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 <400> 7467
 acgaccttg atgtctacac ygagtcctgg gcccaggacc c 41

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 <210> 7469
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 <400> 7469
 gtttttagcgt cccatgagcc ytggtatcaa gaggccacaa g 41

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 <400> 7470
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 <210> 7471
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<212> DNA
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 <400> 7471
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 <210> 7472
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 <210> 7473
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 <400> 7476
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 <400> 7477
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 <210> 7478

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 <400> 7480
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 <210> 7481
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 <400> 7481
 ccccgacaaa cgaacaacag yaccgtgctg caccggctcc t 41

 <210> 7482
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 <400> 7482
 atgcgtagaa cgcgagcgct yggcaaggct cggctcggaa g 41

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 <211> 55
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 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(35)
 <223> ggcaaggcggcg is present or absent.

 <400> 7483
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 <210> 7484
 <211> 41
 <212> DNA

<213> Homo sapiens
 <400> 7484
 aggtgtctgt cgctcgggac ytcggagtct tttctgtctg c 41

 <210> 7485
 <211> 43
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(23)
 <223> ata is present or absent.
 <400> 7485
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 <210> 7486
 <211> 40
 <212> DNA
 <213> Homo sapiens
 <400> 7486
 aatttttttat tataataata tataagtaga agaatttatat 40

 <210> 7487
 <211> 41
 <212> DNA
 <213> Homo sapiens
 <400> 7487
 aggtggattc acaccacca rgctaactgc taacatttta g 41

 <210> 7488
 <211> 52
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (32)..(32)
 <223> t is present or absent.
 <400> 7488
 tgatcatttc aaacacaggg tttttttttt ttaattgtaa aagtaggaca tt 52

 <210> 7489
 <211> 54
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature

<222> (33)..(34)
 <223> t is present or absent.

<400> 7489
 aaagtaggac attttaatga tttttttttt ttttgaagac gtgagtggta aaag 54

<210> 7490
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 7490
 cctgactcat ggcaatctgg mgtcaggatc taacaatata t 41

<210> 7491
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 7491
 ttgtagctt tggctgacat rgagtagatt tgcagtgaac t 41

<210> 7492
 <211> 41
 <212> DNA
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<400> 7492
 taagatatag tgatgcattt ytaatgat ttttgtttcc t 41

<210> 7493
 <211> 50
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (30)..(30)
 <223> t is present or absent.

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<210> 7494
 <211> 41
 <212> DNA
 <213> Homo sapiens

<400> 7494
 tacagaaaag gtaattgtta wgtaaaatag aaagtttctg g 41

<210> 7495
 <211> 54
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (33)..(34)
 <223> ta is present or absent.

 <400> 7495
 cttaaataca gtttttttcaa tatatatata tataaggaat cttcttttgct tatt 54

 <210> 7496
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7496
 tcaagtctac atatttttagt ytttttttct agaatgatat a 41

 <210> 7497
 <211> 82
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(62)
 <223> tgtatacgta tacatacgta tacatatata catacgtatata is present or
 absent.

 <400> 7497
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 tacgtacgta tatacgata cg 82

 <210> 7498
 <211> 40
 <212> DNA
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 <400> 7498
 tacatacgta tacgtatata cgtacgtata tacgtatacg 40

 <210> 7499
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7499
 aggagtcag ctatagagcc yacatttttg atgcttatta t 41

 <210> 7500
 <211> 41
 <212> DNA
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 <400> 7500

acctctatta agtttttgca yaccctttca gactttccaa t 41

<210> 7501
<211> 41
<212> DNA
<213> Homo sapiens

<400> 7501
tttctagggg tttcctagtg ygtagagcag tgattctcaa g 41

<210> 7502
<211> 41
<212> DNA
<213> Homo sapiens

<400> 7502
tctgcaagtc aaatgtgaag scaagaaaga aaaatccaaa a 41

<210> 7503
<211> 44
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)..(24)
<223> attt is present or absent.

<400> 7503
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<210> 7504
<211> 41
<212> DNA
<213> Homo sapiens

<400> 7504
tcctctgttt agaatctact kggctttttt ggcccagcca g 41

<210> 7505
<211> 41
<212> DNA
<213> Homo sapiens

<400> 7505
tgtcagtggc agtaaatagt wtaaagtttc atcttcatta g 41

<210> 7506
<211> 41
<212> DNA
<213> Homo sapiens

<400> 7506
gaaacaatac atgtatcatg yggttcaaga tgtagagtcc a 41

<210> 7507
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7507
 ttatttttaaa ggaaaattct yagaccgaac ttaccagttc a 41

 <210> 7508
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7508
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 <210> 7509
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 <212> DNA
 <213> Homo sapiens

 <400> 7509
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 <210> 7510
 <211> 43
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (21)..(23)
 <223> cct is present or absent.

 <400> 7510
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 <210> 7511
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7511
 ttgatctgat ctttcctgcc yattcagttt ctaaagatct t 41

 <210> 7512
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7512
 caaatttatg atttctcttt yataggctaa tgatatctgc a 41

 <210> 7513
 <211> 41

<212> DNA
 <213> Homo sapiens

 <400> 7513
 taagaacaat taaaagtcaa yggcaagcat tctttccttc c 41

 <210> 7514
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7514
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 <210> 7515
 <211> 41
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 <400> 7515
 cttttagatt aaaggtgcaa ygatgcacaa ttttgagtca c 41

 <210> 7516
 <211> 41
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 <213> Homo sapiens

 <400> 7516
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 <210> 7517
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7517
 ttagccttaa aaaattggac wctcttctga ttattgataa a 41

 <210> 7518
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7518
 actcattatc actgtcttca matattttaa gaaatatgtt c 41

 <210> 7519
 <211> 44
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (21)..(24)
 <223> tggt is present or absent.

<400> 7519
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<210> 7520
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<220>
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 <222> (21)..(21)
 <223> a is present or absent.

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<210> 7521
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<400> 7521
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<210> 7522
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 <213> Homo sapiens

<400> 7522
 catgtattca tttcattcag yaagtatgca atgtgcatat a 41

<210> 7523
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 <213> Homo sapiens

<400> 7523
 gaagaagtca ttattttggt rgtatataat ggacctccag g 41

<210> 7524
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 <212> DNA
 <213> Homo sapiens

<400> 7524
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<210> 7525
 <211> 41
 <212> DNA
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<400> 7525
 actcggtttt actagttaga kagctgtctt ggctcagagg c 41

<210> 7526
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7526
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 <210> 7527
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7527
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 <210> 7528
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7528
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 <210> 7529
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7529
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 <210> 7530
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 <213> Homo sapiens

 <400> 7530
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 <210> 7531
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 <220>
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 <222> (30)..(30)
 <223> t is present or absent.

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 <210> 7532

<211> 41
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 <213> Homo sapiens

 <400> 7532
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 <210> 7533
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 <400> 7533
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 <210> 7534
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7534
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 <210> 7535
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7535
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 <210> 7536
 <211> 41
 <212> DNA
 <213> Homo sapiens

 <400> 7536
 ctgtcctctt gttcgggagg ygtggcagct tttcccttac t 41

 <210> 7537
 <211> 41
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 <213> Homo sapiens

 <400> 7537
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 <210> 7538
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 <213> Homo sapiens

 <220>
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 <222> (21)..(21)

<223> a is present or absent.

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<210> 7539
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<210> 7540
<211> 41
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<400> 7540
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<210> 7541
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<210> 7542
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<210> 7543
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<210> 7544
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<210> 7545
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<212> DNA
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 <210> 7546
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 <400> 7546
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 <210> 7547
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 <210> 7548
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 <210> 7549
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 <210> 7550
 <211> 41
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 <213> Homo sapiens

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 <210> 7551
 <211> 41
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 <213> Homo sapiens

 <400> 7551
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 <210> 7552

<211> 41
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 <210> 7556
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 <400> 7556
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 <210> 7558
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 <210> 7560
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 <210> 7561
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 <213> Homo sapiens

 <400> 7561
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 <210> 7562
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 <212> DNA
 <213> Homo sapiens

 <400> 7562
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 <210> 7563
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 <210> 7564
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 <400> 7564
 tggaaaatag tctgtggatt kttgtttagg actctgggca c 41

 <210> 7565
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<210> 7566
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 <222> (21)..(21)
 <223> a is present or absent.

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 <210> 7567
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 <213> Homo sapiens

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 <210> 7568
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 <213> Homo sapiens

 <400> 7568
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 <210> 7569
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 <400> 7569
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 <210> 7570
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 <213> Homo sapiens

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 <210> 7571
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 <212> DNA
 <213> Homo sapiens

 <400> 7571
 caaattcttt cagacctgag ytcaagttct cggcttccaa c 41

 <210> 7572
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 <400> 7572 41
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 <210> 7573
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 <400> 7573 41
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 <210> 7574
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 <210> 7575
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<212> DNA
<213> Homo sapiens

<400> 7618
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 <212> DNA
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 <400> 7650
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 <210> 7651
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 <222> (21)..(21)
 <223> n is g or t.

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 <221> misc_feature
 <222> (22)..(22)
 <223> n is g.

 <220>
 <221> misc_feature
 <222> (23)..(23)
 <223> n is g or absent.

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 <221> misc_feature
 <222> (24)..(24)
 <223> n is t or absent.

 <220>
 <221> misc_feature
 <222> (25)..(28)

<223> n is g or absent.
 <220>
 <221> misc_feature
 <222> (29)..(29)
 <223> n is t or absent.
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 <222> (30)..(31)
 <223> n is g or absent.
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 <223> n is a or absent.
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 <400> 7652
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 agcctaactt ctataccttg raggcactgt ctacaaaaa a 41
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 <212> DNA
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 <400> 7655
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 <210> 7656
 <211> 41
 <212> DNA
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<400> 7656
 ttggctggat tggggtgcta ygctcagagt gagtctgtgt t 41

<210> 7657
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<400> 7657
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<210> 7658
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<400> 7658
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<210> 7661
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<400> 7661
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<210> 7662
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<210> 7665
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<400> 7665
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<400> 7666
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<210> 7667
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<220>
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 <222> (21)..(22)
 <223> ct is present or absent.

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<210> 7668
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 <213> Homo sapiens

<400> 7668
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<210> 7669
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<400> 7669
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